

TECHNICAL DATA SHEET

DOC TDS-WS5 · REV. 06-2026 · ORIGIN EGYPT

WS5

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Paper

Powder coatings (glossy finish)

Water - & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

1.5 μm

TOP CUT d_{97}

5 μm

FINES $\leq 2 \mu\text{m}$

70 %

BRIGHTNESS R(Y)

96.5 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	23 g/100g
Bulk density	0.45 g/cm³
Moisture	≤ 0.2 %

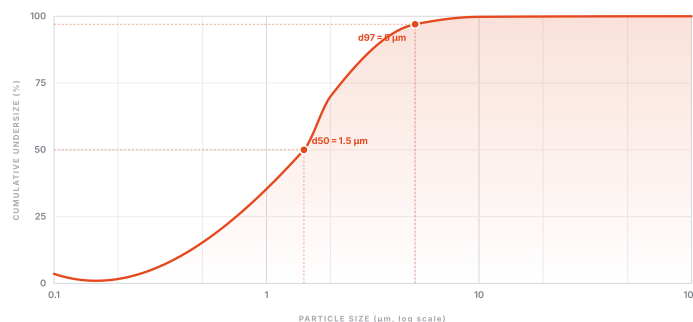
OPTICAL · BRIGHTNESS

R(Y) · C/2°	≥ 96.5 %
L* · D65/10°	≥ 98
a* · D65/10°	≤ 0.2
b* · D65/10°	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	5 $\mu\text{m} \pm 0.2$
d_{50}	1.5 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	70 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS5T · REV. 06-2026 · ORIGIN EGYPT

WS5T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

1.5 μm

TOP CUT d_{97}

5 μm

FINES $\leq 2 \mu\text{m}$

70 %

BRIGHTNESS $R(Y)$

96.5 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	23 g/100g
Bulk density	0.45 g/cm ³
Moisture	≤ 0.2 %
Stearic-acid coating	14 – 14.5 kg/t

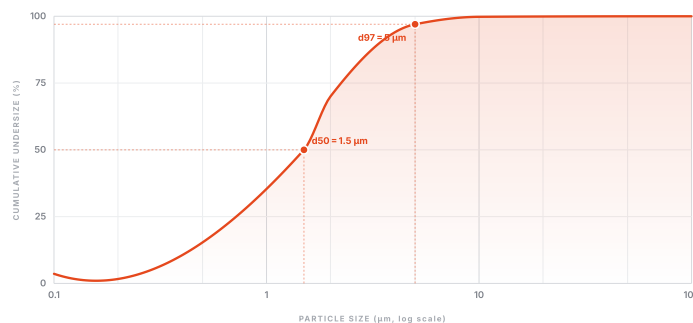
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96.5 %
$L^* \cdot D_{65/10^\circ}$	≥ 98
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	5 $\mu\text{m} \pm 0.2$
d_{50}	1.5 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	70 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS6 · REV. 06-2026 · ORIGIN EGYPT

WS6

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Paper

Powder coatings (glossy finish)

Water - & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

1.7 μm

TOP CUT d_{97}

6 μm

FINES $\leq 2 \mu\text{m}$

60 %

BRIGHTNESS R(Y)

96.5 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	22 g/100g
Bulk density	0.50 g/cm³
Moisture	≤ 0.2 %

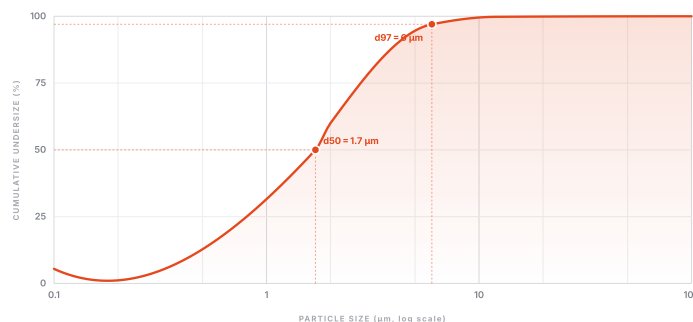
OPTICAL · BRIGHTNESS

R(Y) · C/2°	≥ 96.5 %
L* · D65/10°	≥ 98
a* · D65/10°	≤ 0.2
b* · D65/10°	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	6 $\mu\text{m} \pm 0.2$
d_{50}	1.7 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	60 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS6T · REV. 06-2026 · ORIGIN EGYPT

WS6T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

1.7 μm

TOP CUT d_{97}

6 μm

FINES $\leq 2 \mu\text{m}$

60 %

BRIGHTNESS $R(Y)$

96.5 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm^3
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	22 g/100g
Bulk density	0.50 g/cm^3
Moisture	≤ 0.2 %
Stearic-acid coating	13 – 13.5 kg/t

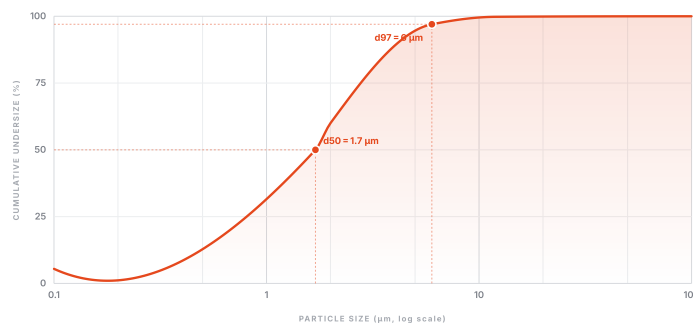
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96.5 %
$L^* \cdot D_{65/10^\circ}$	≥ 98
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	6 $\mu\text{m} \pm 0.2$
d_{50}	1.7 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	60 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS8 · REV. 06-2026 · ORIGIN EGYPT

WS8

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Paper

Powder coatings (glossy finish)

Water - & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

2 μm

TOP CUT d_{97}

8 μm

FINES $\leq 2 \mu\text{m}$

50 %

BRIGHTNESS $R(Y)$

96.5 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	21 g/100g
Bulk density	0.55 g/cm ³
Moisture	≤ 0.2 %

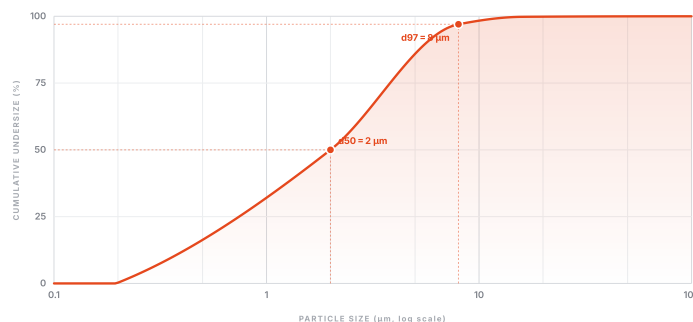
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96.5 %
$L^* \cdot D_{65/10^\circ}$	≥ 98
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	8 $\mu\text{m} \pm 0.2$
d_{50}	2 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	50 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS8T · REV. 06-2026 · ORIGIN EGYPT

WS8T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

2 μm

TOP CUT d_{97}

8 μm

FINES $\leq 2 \mu\text{m}$

50 %

BRIGHTNESS $R(Y)$

96.5 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	21 g/100g
Bulk density	0.55 g/cm ³
Moisture	≤ 0.2 %
Stearic-acid coating	12 – 12.5 kg/t

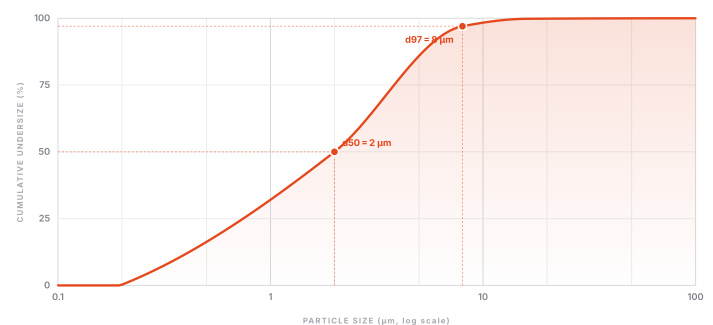
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96.5 %
$L^* \cdot D_{65/10^\circ}$	≥ 98
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	8 $\mu\text{m} \pm 0.2$
d_{50}	2 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	50 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS10 · REV. 06-2026 · ORIGIN EGYPT

WS10

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Paper

Powder coatings (glossy finish)

Water - & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

2.5 μm

TOP CUT d_{97}

10 μm

FINES $\leq 2 \mu\text{m}$

40 %

BRIGHTNESS R(Y)

96.5 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	19.5 g/100g
Bulk density	0.57 g/cm ³
Moisture	≤ 0.2 %

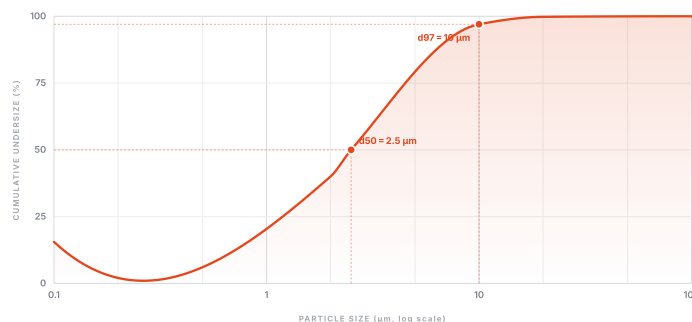
OPTICAL · BRIGHTNESS

R(Y) · C/2°	≥ 96.5 %
L* · D65/10°	≥ 98
a* · D65/10°	≤ 0.2
b* · D65/10°	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	10 $\mu\text{m} \pm 0.2$
d_{50}	2.5 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	40 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS10T · REV. 06-2026 · ORIGIN EGYPT

WS10T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

2.5 μm

TOP CUT d_{97}

10 μm

FINES $\leq 2 \mu\text{m}$

40 %

BRIGHTNESS $R(Y)$

96.5 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	19.5 g/100g
Bulk density	0.57 g/cm ³
Moisture	≤ 0.2 %
Stearic-acid coating	10 – 10.5 kg/t

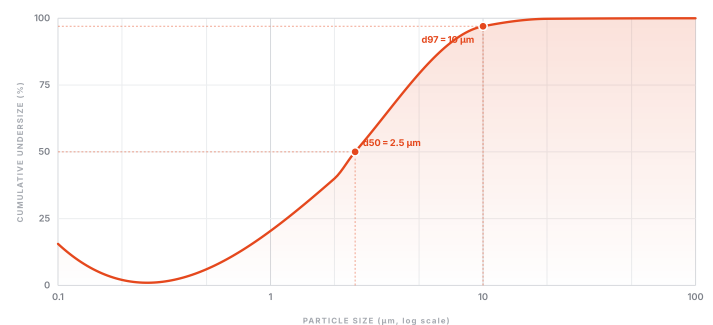
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96.5 %
$L^* \cdot D_{65/10^\circ}$	≥ 98
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	10 $\mu\text{m} \pm 0.2$
d_{50}	2.5 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	40 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS12 · REV. 06-2026 · ORIGIN EGYPT

WS12

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Powder coatings (glossy finish)

Water- & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

2.7 μm

TOP CUT d_{97}

12 μm

FINES $\leq 2 \mu\text{m}$

38 %

BRIGHTNESS $R(Y)$

96.5 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	19 g/100g
Bulk density	0.59 g/cm ³
Moisture	≤ 0.2 %

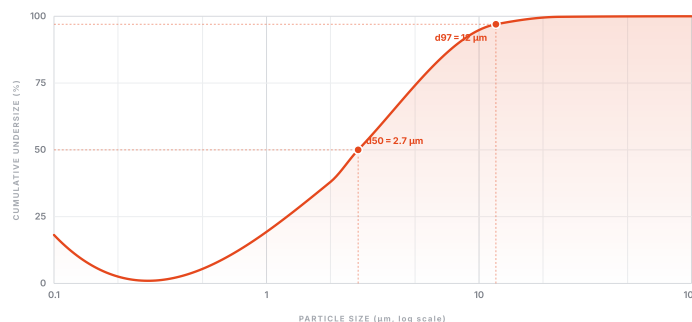
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96.5 %
$L^* \cdot D65/10^\circ$	≥ 98
$a^* \cdot D65/10^\circ$	≤ 0.2
$b^* \cdot D65/10^\circ$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	12 $\mu\text{m} \pm 0.2$
d_{50}	2.7 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	38 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS12T · REV. 06-2026 · ORIGIN EGYPT

WS12T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

2.7 μm

TOP CUT d_{97}

12 μm

FINES $\leq 2 \mu\text{m}$

38 %

BRIGHTNESS R(Y)

96.5 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	19 g/100g
Bulk density	0.59 g/cm ³
Moisture	≤ 0.2 %
Stearic-acid coating	9 – 9.5 kg/t

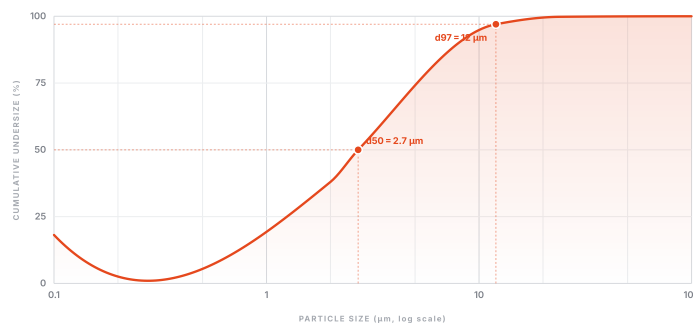
OPTICAL · BRIGHTNESS

R(Y) · C/2°	≥ 96.5 %
L* · D65/10°	≥ 98
a* · D65/10°	≤ 0.2
b* · D65/10°	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	12 $\mu\text{m} \pm 0.2$
d_{50}	2.7 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	38 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.01 %



TECHNICAL DATA SHEET

DOC TDS-WS15 · REV. 06-2026 · ORIGIN EGYPT

WS15

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Powder coatings (glossy finish)

Water- & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

3.5 μm

TOP CUT d_{97}

15 μm

FINES $\leq 2 \mu\text{m}$

33 %

BRIGHTNESS $R(Y)$

96 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	18 g/100g
Bulk density	0.70 g/cm ³
Moisture	≤ 0.2 %

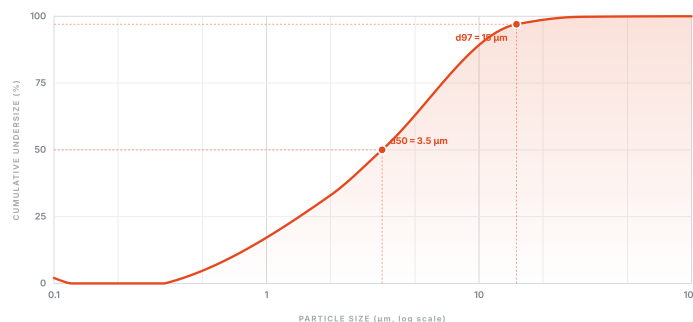
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96 %
$L^* \cdot D_{65/10^\circ}$	≥ 97.5
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	15 $\mu\text{m} \pm 0.2$
d_{50}	3.5 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	33 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.05 %



Cumulative under size · Malvern Mastersizer 3000 (laser diffraction)

TECHNICAL DATA SHEET

DOC TDS-WS15T · REV. 06-2026 · ORIGIN EGYPT

WS15T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

3.5 μm

TOP CUT d_{97}

15 μm

FINES $\leq 2 \mu\text{m}$

33 %

BRIGHTNESS $R(Y)$

96 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	18 g/100g
Bulk density	0.70 g/cm ³
Moisture	≤ 0.2 %
Stearic-acid coating	8 – 8.5 kg/t

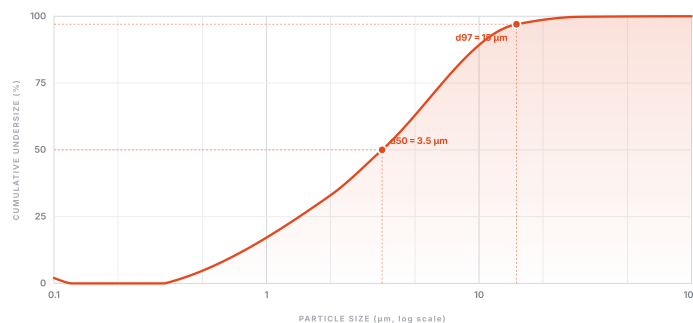
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96 %
$L^* \cdot D_{65/10^\circ}$	≥ 97.5
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	15 $\mu\text{m} \pm 0.2$
d_{50}	3.5 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	33 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.05 %



TECHNICAL DATA SHEET

DOC TDS-WS18 · REV. 06-2026 · ORIGIN EGYPT

WS18

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Powder coatings (glossy finish)

Water- & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

4.6 μm

TOP CUT d_{97}

18 μm

FINES $\leq 2 \mu\text{m}$

27 %

BRIGHTNESS $R(Y)$

96 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm^3
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	17.7 g/100g
Bulk density	0.71 g/cm^3
Moisture	≤ 0.2 %

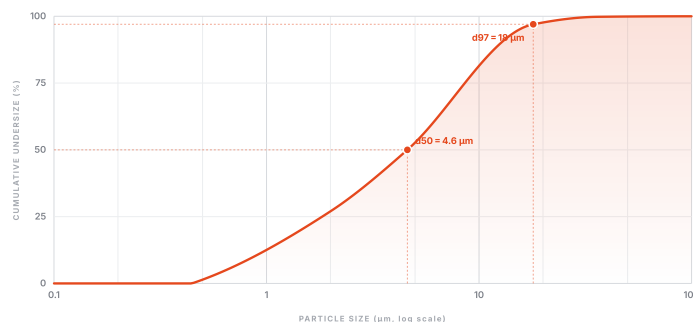
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96 %
$L^* \cdot D_{65/10^\circ}$	≥ 97.5
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	18 $\mu\text{m} \pm 0.2$
d_{50}	4.6 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	27 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.05 %



TECHNICAL DATA SHEET

DOC TDS-WS18T · REV. 06-2026 · ORIGIN EGYPT

WS18T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

4.6 μm

TOP CUT d_{97}

18 μm

FINES $\leq 2 \mu\text{m}$

27 %

BRIGHTNESS $R(Y)$

96 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm^3
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	17.7 g/100g
Bulk density	0.71 g/cm^3
Moisture	≤ 0.2 %
Stearic-acid coating	8 kg/t

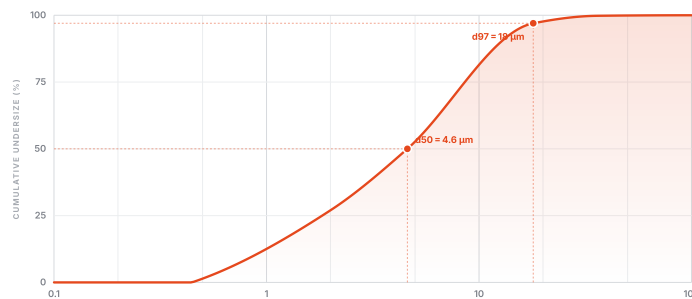
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96 %
$L^* \cdot D65/10^\circ$	≥ 97.5
$a^* \cdot D65/10^\circ$	≤ 0.2
$b^* \cdot D65/10^\circ$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	18 $\mu\text{m} \pm 0.2$
d_{50}	4.6 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	27 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.05 %



TECHNICAL DATA SHEET

DOC TDS-WS20 · REV. 06-2026 · ORIGIN EGYPT

WS20

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

- Powder coatings (glossy finish)
- Water- & solvent-based paints
- Protective paints
- Printing inks
- Adhesives & sealants

MEDIAN d_{50}

4.8 μm

TOP CUT d_{97}

20 μm

FINES $\leq 2 \mu\text{m}$

25 %

BRIGHTNESS $R(Y)$

96 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	17.5 g/100g
Bulk density	0.73 g/cm ³
Moisture	≤ 0.2 %

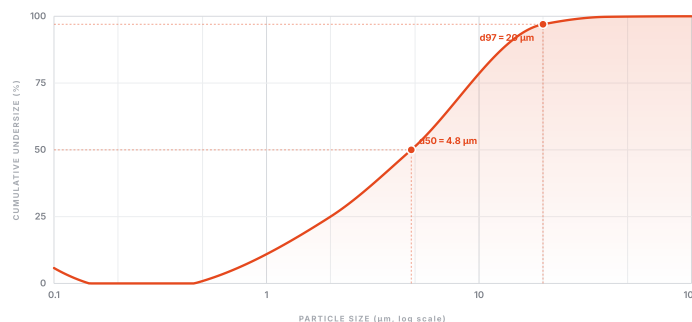
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96 %
$L^* \cdot D_{65/10^\circ}$	≥ 97.5
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	20 $\mu\text{m} \pm 0.2$
d_{50}	4.8 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	25 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.05 %



Cumulative undersize · Malvern Mastersizer 3000 (laser diffraction)

TECHNICAL DATA SHEET

DOC TDS-WS20T · REV. 06-2026 · ORIGIN EGYPT

WS20T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

4.8 μm

TOP CUT d_{97}

20 μm

FINES $\leq 2 \mu\text{m}$

25 %

BRIGHTNESS $R(Y)$

96 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm^3
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	17.5 $\text{g}/100\text{g}$
Bulk density	0.73 g/cm^3
Moisture	≤ 0.2 %
Stearic-acid coating	7.5 – 8 kg/t

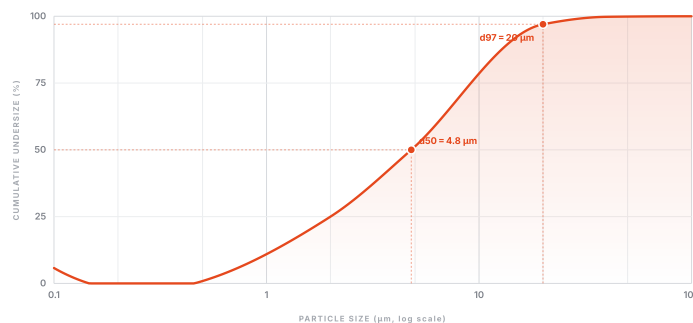
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96 %
$L^* \cdot D_{65}/10^\circ$	≥ 97.5
$a^* \cdot D_{65}/10^\circ$	≤ 0.2
$b^* \cdot D_{65}/10^\circ$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	20 $\mu\text{m} \pm 0.2$
d_{50}	4.8 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	25 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.05 %



TECHNICAL DATA SHEET

DOC TDS-WS25 · REV. 06-2026 · ORIGIN EGYPT

WS25

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Powder coatings (glossy finish)

Water- & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

5.8 μm

TOP CUT d_{97}

25 μm

FINES $\leq 2 \mu\text{m}$

20 %

BRIGHTNESS $R(Y)$

96 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	17 g/100g
Bulk density	0.78 g/cm ³
Moisture	≤ 0.2 %

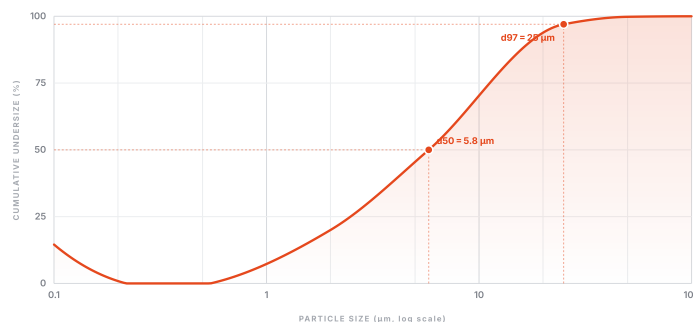
OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96 %
$L^* \cdot D_{65/10^\circ}$	≥ 97.5
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	25 $\mu\text{m} \pm 0.2$
d_{50}	5.8 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	20 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.05 %



TECHNICAL DATA SHEET

DOC TDS-WS25T · REV. 06-2026 · ORIGIN EGYPT

WS25T

SURFACE-COATED · GCC

Surface-Coated Ground Calcium Carbonate

DESCRIPTION Surface-treated (stearic-acid coated), very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Rigid PVC pipe & profiles

Masterbatch

Cable compounds

Flexible PVC

Filled polyolefins

MEDIAN d_{50}

5.8 μm

TOP CUT d_{97}

25 μm

FINES $\leq 2 \mu\text{m}$

20 %

BRIGHTNESS R(Y)

96 % min

CHEMICAL ANALYSIS

CaCO ₃	≥ 99.60 %
MgO	≤ 0.1 %
Fe ₂ O ₃	≤ 0.01 %
Al ₂ O ₃	≤ 0.05 %
SiO ₂	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm ³
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	17 g/100g
Bulk density	0.78 g/cm ³
Moisture	≤ 0.2 %
Stearic-acid coating	7.5 – 8 kg/t

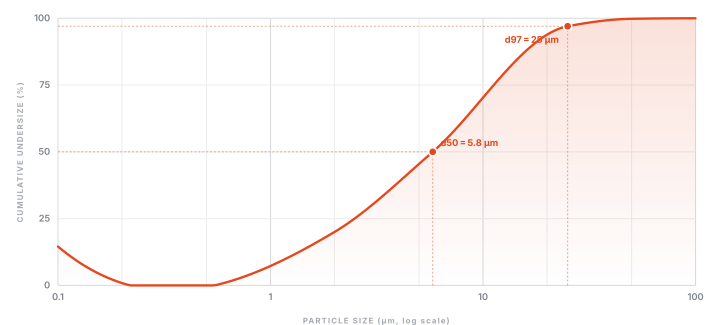
OPTICAL · BRIGHTNESS

R(Y) · C/2°	≥ 96 %
L* · D65/10°	≥ 97.5
a* · D65/10°	≤ 0.2
b* · D65/10°	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	25 $\mu\text{m} \pm 0.2$
d_{50}	5.8 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	20 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.05 %



TECHNICAL DATA SHEET

DOC TDS-WS40 · REV. 06-2026 · ORIGIN EGYPT

WS40

UNCOATED · GCC

Uncoated Natural Ground Calcium Carbonate

DESCRIPTION Natural, very fine ground calcium carbonate produced from high-purity, very white limestone using high-technology classifying mills. Not for pharmaceutical or medicinal use.

APPLICATIONS

Powder coatings (glossy finish)

Water- & solvent-based paints

Protective paints

Printing inks

Adhesives & sealants

MEDIAN d_{50}

10 μm

TOP CUT d_{97}

40 μm

FINES $\leq 2 \mu\text{m}$

14 %

BRIGHTNESS $R(Y)$

96 % min

CHEMICAL ANALYSIS

CaCO_3	≥ 99.60 %
MgO	≤ 0.1 %
Fe_2O_3	≤ 0.01 %
Al_2O_3	≤ 0.05 %
SiO_2	≤ 0.02 %
CaO	≥ 55.67 %
L.O.I.	44.23 %

RAW MATERIAL

True specific gravity	2.73 g/cm^3
Hardness (Mohs)	3
HCl insoluble	≤ 0.3 %
Refractive index	1.59

PHYSICAL

pH (ISO 787-9)	9 max
Oil absorption	14.5 g/100g
Bulk density	0.85 g/cm^3
Moisture	≤ 0.2 %

OPTICAL · BRIGHTNESS

$R(Y) \cdot C/2^\circ$	≥ 96 %
$L^* \cdot D_{65/10^\circ}$	≥ 97.5
$a^* \cdot D_{65/10^\circ}$	≤ 0.2
$b^* \cdot D_{65/10^\circ}$	≤ 1.2

Datascolor Elrepho spectrophotometer

PARTICLE SIZE DISTRIBUTION

d_{97}	40 $\mu\text{m} \pm 0.2$
d_{50}	10 $\mu\text{m} \pm 0.2$
Passing $\leq 2 \mu\text{m}$	14 % ± 2
Sieve residue $\geq 45 \mu\text{m}$	0.1 %

