

► PolyPlex Extra

Characteristics

PolyPlex Extra is a natural, ground calcium carbonate, surface coated. The coating allows an easy dispersion into the polymer matrix, hydrophobic properties reduce moisture pick up.

PolyPlex Extra with a very fine particle size shows excellent performance in PVC profile and sheet extrusion. It is also used for sealants, printing colours and in rubber applications.

Physical characteristics

Brightness Y (ISO 2470)	95
Yellowness (ISO 2470)	< 2,5
Whiteness R457 (ISO 2470)	93
Oil absorption (ISO 787/5)	20,0 g/100 g
pH value (ISO 787/9)*	9
Moisture (ISO 787/2)	< 0,5 %
Bulk density (ISO 787/11)	0,4 g/ml
Density after tamping (ISO 787/11)	0,6 g/ml
Specific surface area (BET)*	9,69 m ² /g
Hardness by Mohs*	3

Chemical analysis*

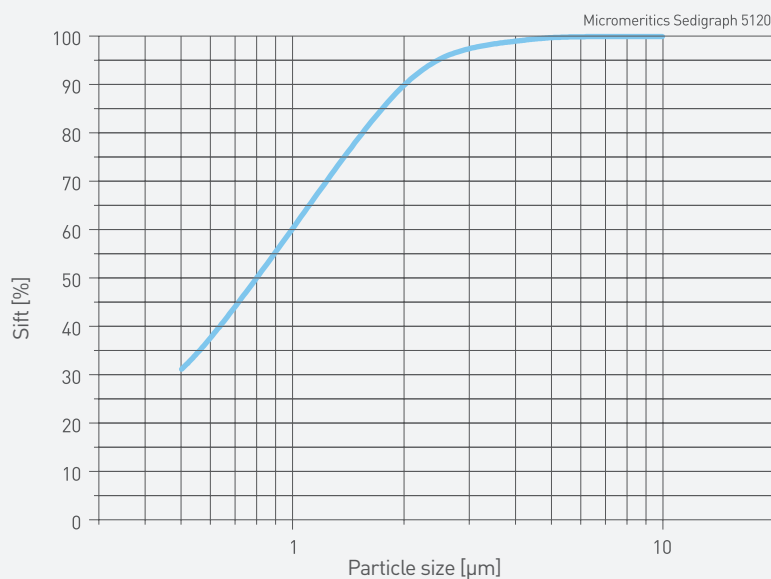
CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution*

D98%	3,5 µm
D50%	0,75 - 0,9 µm
Q(2µm)	90 %

*Measured on untreated materials

PolyPlex Extra



► PolyPlex 0

Characteristics

PolyPlex 0 is a natural, ground calcium carbonate, surface coated.

The coating allows an easy dispersion into the polymer matrix, hydrophobic properties reduce moisture pick up.

PolyPlex 0 with a very fine particle size shows perfect performance in PVC profile, pipe and sheet extrusion and is also used for printing colours and rubber formulations.

Physical characteristics

Brightness Y (ISO 2470)	95
Yellowness (ISO 2470)	< 2,5
Whiteness R457 (ISO 2470)	93
Oil absorption (ISO 787/5)	19,0 g/100 g
pH value (ISO 787/9)*	9
Moisture (ISO 787/2)	< 0,4 %
Bulk density (ISO 787/11)	0,5 g/ml
Density after tamping (ISO 787/11)	0,6 g/ml
Specific surface area (BET)*	9,45 m ² /g
Hardness by Mohs*	3

Chemical analysis*

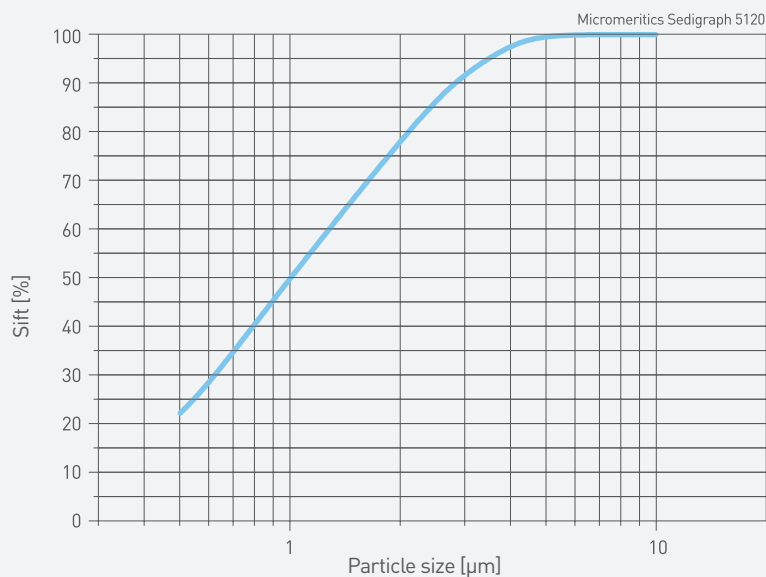
CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution*

D98%	4,0 µm
D50%	0,9 - 1,1 µm
Q(2µm)	75 %

*Measured on untreated materials

P o l y P l e x 0



► PolyPlex 1

Characteristics

PolyPlex 1 is a natural, ground calcium carbonate, surface coated. The coating allows an easy dispersion into the polymer matrix, hydrophobic properties reduce moisture pick up. PolyPlex 1 is used for PVC extrusion, polyolefin compounds for films.

Physical characteristics

Brightness Y (ISO 2470)	95
Yellowness (ISO 2470)	< 2,5
Whiteness R457 (ISO 2470)	93
Oil absorption (ISO 787/5)	18,0 g/100 g
pH value (ISO 787/9)*	9
Moisture (ISO 787/2)	< 0,4 %
Bulk density (ISO 787/11)	0,7 g/ml
Density after tamping (ISO 787/11)	0,9 g/ml
Specific surface area (BET)*	6,34 m ² /g
Hardness by Mohs*	3

Chemical analysis*

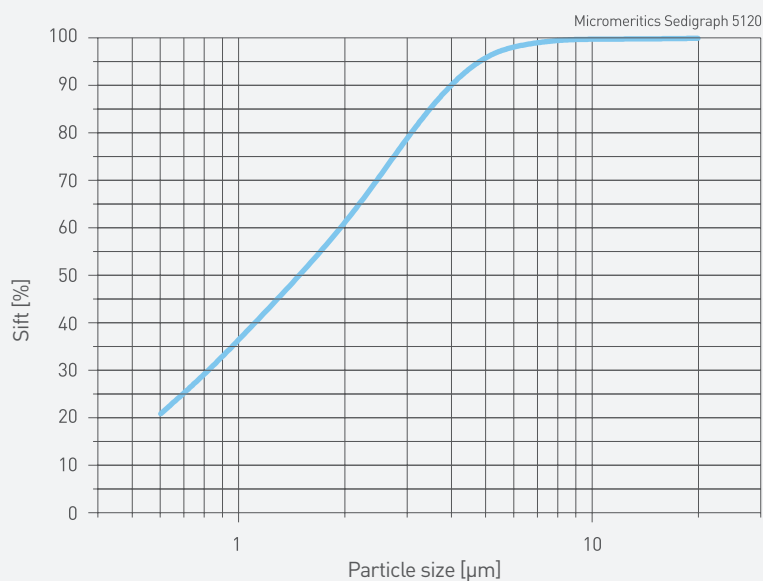
CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution*

D98%	6,0 μm
D50%	1,4 - 1,8 μm
Q(2μm)	60 %

*Measured on untreated materials

P o l y P l e x 1



► PolyPlex 2

Characteristics

PolyPlex 2 is a natural, ground calcium carbonate, surface coated. The coating allows an easy dispersion into the polymer matrix, hydrophobic properties reduce moisture pick up. PolyPlex 2 is used for PVC and Polyolefin extrusion, cables, Polyolefin compounds for films, extrusion and injection moulding.

Physical characteristics

Brightness Y (ISO 2470)	93
Yellowness (ISO 2470)	<2,7
Whiteness R457 (ISO 2470)	92
Oil absorption (ISO 787/5)	17,4 g/100 g
pH value (ISO 787/9)*	9
Moisture (ISO 787/2)	<0,3 %
Bulk density (ISO 787/11)	0,8 g/ml
Density after tamping (ISO 787/11)	0,9 g/ml
Specific surface area [BET]*	4,87 m ² /g
Hardness by Mohs*	3

Chemical analysis*

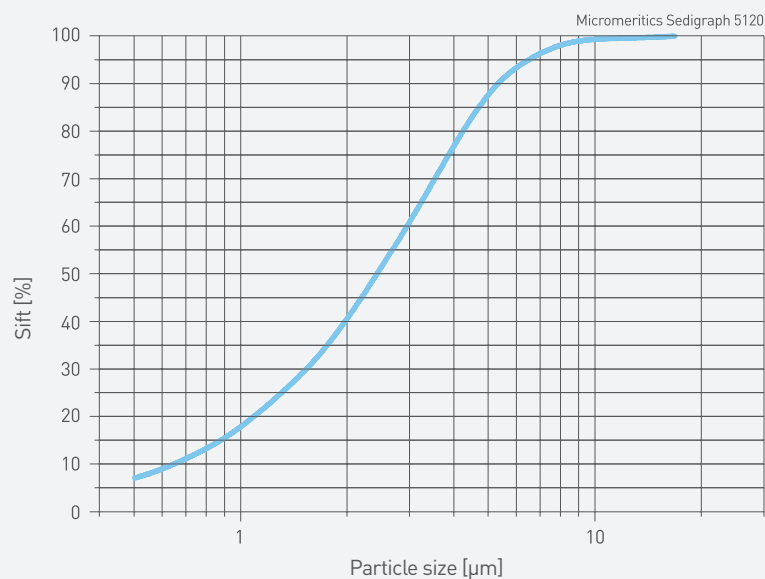
CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution*

D98%	7,5 µm
D50%	2,0 - 2,6 µm

*Measured on untreated materials

P o l y P l e x 2



► PolyPlex 5

Characteristics

PolyPlex 5 is a natural, ground calcium carbonate, surface coated. The coating allows an easy dispersion into the polymer matrix, hydrophobic properties reduce moisture pick up. PolyPlex 5 is used for PVC and Polyolefin pipe extrusion, sealants and PUR compounds.

Physical characteristics

Brightness Y (ISO 2470)	90
Yellowness (ISO 2470)	< 3,0
Whiteness R457 (ISO 2470)	89
Oil absorption (ISO 787/5)	15,0 g/100 g
pH value (ISO 787/9)*	9
Moisture (ISO 787/2)	< 0,3 %
Bulk density (ISO 787/11)	1,0 g/ml
Density after tamping (ISO 787/11)	1,1 g/ml
Specific surface area (BET)*	2,10 m ² /g
Hardness by Mohs*	3

Chemical analysis*

CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution*

D98%	17,5 μm
D50%	4,0 - 4,5 μm
Residue on sieve 45μm	< 0,2 %

*Measured on untreated materials

P o l y P l e x 5

