

► PolyPlex Extra

Characteristics

PolyPlex Extra is a surface treated natural ground calcium carbonate. 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

Whiteness Y (ISO 2470)	95
Yellowness (ISO 2470)	< 2,5
Brightness 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)*	9,8 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%	0,8 µm
Q(2µm)	90%

*Measured on untreated materials

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