

Technical Data Sheet



ALCOLOR PBT A GY1165-06 MCS

Base Polymer	Polybutylene Terephthalate
Colour	grey, similar to RAL 9004
Thermal Stability Colourant	290 °C max.
Light Fastness Colourant	blue woolscale 8
For use in	Polybutylene Terephthalate
Special Features	metallic effect, food contact, high additive content, free from cadmium, lead and diarylide pigments, high dispersibility
Market Segment	Automotive, Machinery, electrical and electronic, Furniture, building and construction, sport and leisure, food processing industry, household goods
Application Area	injection moulded parts, extruded parts, compounding

Dosage	3,0 % extrusion 3,0 % injection moulding dependant on wall thickness and required colour intensity dependant on application and operational area
Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C for 2-4 h in an air circulating dryer 100-120 °C for 4-8 h max. moisture content <0,04 %
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 60-100 °C
Storage	dry, protected from light tightly sealed

Properties	Value	Dimension	Test Norm
Thermal Properties			
DSC (Melt Point)	224	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	35	cm ³ /10min	ISO 1133
MVR temperature	250	°C	-
MVR load	2.16	kg	-
Physical Properties			
Density	1310	kg/m ³	ISO 1183