

LTL Color Compounds ColorFast® PBA1000 PBT/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , ABS/Polyester Alloy , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

PBT/ABS alloy with excellent physical properties and chemical resistanceAll information provided by LTL Color Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LTL-Color-Compounds-ColorFast-PBA1000-PBTABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	33.1 MPa	4800 psi	2.0 in/min; ASTM D638
Tensile Strength, Yield	46.9 MPa	6800 psi	2.0 in/min; ASTM D638
Elongation at Break	35 %	35 %	2.0 in/min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2.0 in/min; ASTM D638
Flexural Modulus	2.07 GPa	300 ksi	2.0 in/min; ASTM D790
Izod Impact, Notched	0.854 J/cm @Temperature 22.8 Â°C	1.60 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	204 - 238 Â°C	400 - 460 Â°F	
Middle Barrel Temperature	210 - 232 Â°C	410 - 450 Â°F	
Front Barrel Temperature	221 - 254 Â°C	430 - 490 Â°F	
Nozzle Temperature	216 - 249 Â°C	420 - 480 Â°F	
Melt Temperature	221 - 254 Â°C	430 - 490 Â°F	
Mold Temperature	10.0 - 71.1 Â°C	50.0 - 160 Â°F	
Drying Temperature	85.0 Â°C	185 Â°F	
Dry Time	3 - 4 hour	3 - 4 hour	nominal; maximum drying time of 8 hours
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	
Shot Size	40 - 60 %	40 - 60 %	

Vent Depth Processing Properties	0.00254 - 0.00762 cm Metric	0.00100 - 0.00300 in English	Comments
Screw Speed	40 - 70 rpm	40 - 70 rpm	

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