

PolyOne Stat-Tech™ PS-NX 102902 CM Black Polybutylene Terephthalate (PBT) (discontinued **)

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

Material Notes:

Preliminary Data Sheet PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-PS-NX-102902-CM-Black-Polybutylene-Terephthalate-PBT-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	ASTM D792
Water Absorption	0.30 %	0.30 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0025 - 0.0040 cm/cm	0.0025 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	93.1 MPa	13500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	10.3 GPa	1500 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	172 MPa	25000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1500 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.700 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 - 1.00e+6 ohm-cm	1000 - 1.00e+6 ohm-cm	ASTM D257
Surface Resistivity per Square	1000 - 1.00e+6 ohm	1000 - 1.00e+6 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	243 - 277 °C	470 - 530 °F	Molding
Mold Temperature	82.2 - 110 °C	180 - 230 °F	
Drying Temperature	82.2 - 110 °C	180 - 230 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Product Form		Pellets	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China