

PolyOne Lubri-Tech™ PS-30CF/10T 2S Polybutylene Terephthalate (PBT), Carbon Fiber Reinforced, PTFE/Silicone Lubricated

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

Material Notes:

Description/Features: Carbon Fiber Reinforced PTFE/Silicone Lubricated UL 94 HB PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-PS-30CF10T-2S-Polybutylene-Terephthalate-PBT-Carbon-Fiber-Reinforced-PTFESilicone-Lubricated.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
Water Absorption	0.040 %	0.040 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	134 MPa	19500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	19.3 GPa	2800 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	17.2 GPa	2500 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.10 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	213 °C	415 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	216 °C	420 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm	100 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 271 °C	450 - 520 °F	Molding
Mold Temperature	51.7 - 121 °C	125 - 250 °F	
Drying Temperature	82.2 - 107 °C	180 - 225 °F	
Dry Time	2 hour	2 hour	

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