

PolyOne Lubri-Tech™ SY-000/10T-2S Natural Polystyrene (PS), PTFE Lubricated (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Description/Features:High ImpactPTFE LubricatedInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-SY-00010T-2S-Natural-Polystyrene-PS-PTFE-Lubricated-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Water Absorption	0.30 % @Thickness 3.17 mm	0.30 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	31.0 MPa	4500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	8.0 %	8.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	2.59 GPa	375 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	31.0 MPa	4500 psi	ASTM D790
Flexural Modulus	2.59 GPa	375 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.00 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 232 °C	410 - 450 °F	Molding
Mold Temperature	48.9 - 71.1 °C	120 - 160 °F	
Drying Temperature	48.9 - 65.6 °C	120 - 150 °F	
Dry Time	2 hour	2 hour	

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