

A. Schulman POLYAXIS® PD2000 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Description Polyaxis PD 2000 is a polypropylene specifically designed from rotational molding. NOTE: Physical properties are based on rotationally molded samples from unpigmented resin. Density and ESCR tests were performed on compression molded samples.

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYAXIS-PD2000-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	ASTM D1693
Melt Index of Compound	17 g/10 min	17 g/10 min	2.16/230; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.9 MPa	3760 psi	2"/min; ASTM D638
Elongation at Break	30 %	30 %	2"/min; ASTM D638
Flexural Modulus	1.29 GPa	187 ksi	at 1% secant modulus; ASTM D790
Impact Test	19.0 J @Thickness 3.17 mm, Temperature 23.0 °C	14.0 ft-lb @Thickness 0.125 in, Temperature 73.4 °F	ARM impact

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ASTM D648

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