

A. Schulman POLYAXIS® PD8020 Polypropylene

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

Material Notes:

Description Polyaxis PD 8020 is a polypropylene designed from rotational molding with a combination of good stiffness and ESCR. NOTE:

Physical properties are based on rotationally molded samples from unpigmented resin. Density and ESCR tests were performed on compression molded samples. Application Polyaxis® PD 8020 is typically used in small chemical tanks and special applications.

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYAXIS-PD8020-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	20 g/10 min	20 g/10 min	2.16/230; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	2"/min; ASTM D638
Elongation at Break	15 %	15 %	2"/min; ASTM D638
Flexural Modulus	1.22 GPa	177 ksi	at 1% secant modulus; ASTM D790
Impact Test	6.10 J @Thickness 3.17 mm, Temperature 23.0 °C	4.50 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)	85.0 °C	185 °F	ASTM D648

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