

A. Schulman ComAlloy® E-14292 Hi-Flow Glass Reinforced PPS

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) Alloy, Glass Reinforced, Flow Enhanced

Material Notes:

Information provided by A. Schulman. The ComAlloy product line has been integrated into the A Schulman product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-E-14292-Hi-Flow-Glass-Reinforced-PPS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.64 g/cc	1.64 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@Thickness 3.175 mm	@Thickness 0.1250 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	135 MPa	19600 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	215 MPa	31200 psi	ASTM D790
Flexural Modulus	14.35 GPa	2081 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.27 J/cm	8.00 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	263 °C	505 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	ASTM D648

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