

A. Schulman SCHULAMID® 66 MV3FR Flame Retardant Nylon 6/6

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-SCHULAMID-66-MV3FR-Flame-Retardant-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Linear Mold Shrinkage	0.011 cm/cm @Thickness 3.175 mm	0.011 in/in @Thickness 0.1250 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.2 MPa	10900 psi	ASTM D638
Elongation at Break	5.5 %	5.5 %	ASTM D638
Flexural Strength	115 MPa	16700 psi	ASTM D790
Izod Impact, Unnotched	6.62 J/cm	12.4 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	230 °C	446 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	87.2 °C	189 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 305 °C	536 - 581 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Drying Temperature	79.4 °C	175 °F	
Dry Time	2 - 4 hour	2 - 4 hour	Predrying

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