

A. Schulman FORMION™ FI 200 Non-Reinforced, Injection Molding Grade Ionomer / Nylon Alloy

Category : Polymer , Thermoplastic , Ionomer , Nylon

Material Notes:

Description Formion® FI 200 is an injection molding grade, non-reinforce Ionomer / Nylon Alloy, which has been formulated for high scratch resistance, heat resistance and high stiffness. Application Formion® FI 200 is targeted for non painted, mold-in -color, exterior or interior appearance applications. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-FORMION-FI-200-Non-Reinforced-Injection-Molding-Grade-Ionomer-Nylon-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm @Thickness 3.20 mm	0.0080 - 0.010 in/in @Thickness 0.126 in	72 hr; ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.0 MPa	5950 psi	ISO 527
Elongation at Break	270 %	270 %	ISO 527
Flexural Modulus	1.20 GPa	174 ksi	Tangent; ISO 178
Izod Impact, Notched (ISO)	NB	NB	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	61.0 °C @Thickness 3.20 mm	142 °F @Thickness 0.126 in	ISO 75

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