

A. Schulman FORMION™ FI 234 20% Mineral Reinforced Ionomer / Nylon Alloy

Category : Polymer , Thermoplastic , Ionomer , Nylon

Material Notes:

Description Formion® FI 234 is an injection molding grade, 20% mineral reinforced Ionomer / Nylon alloy, which has been formulated for high scratch resistance, heat resistance, high stiffness and low coefficient of thermal expansion. Application Formion® FI 234 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-234-20-Mineral-Reinforced-Ionomer-Nylon-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm @Thickness 3.20 mm	0.0030 - 0.0070 in/in @Thickness 0.126 in	72 hr; ISO 294

Mechanical Properties	Metric	English	Comments
Elongation at Break	55 %	55 %	ISO 527
Flexural Modulus	3.275 GPa	475.0 ksi	Tangent; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	142 °C @Thickness 3.20 mm	288 °F @Thickness 0.126 in	ISO 75

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