

A. Schulman FORMION™ FI 401 Ionomer

Category : Polymer , Thermoplastic , Ionomer

Material Notes:

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-FORMION-FI-401-Ionomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	72 hr; ISO 294

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	15 sec delay; ISO 868
Tensile Strength, Ultimate	24.0 MPa	3480 psi	at max load; ISO 527
Elongation at Break	20 %	20 %	ISO 527
Flexural Modulus	1.175 GPa	170.4 ksi	Tangent; ISO 178
Izod Impact, Notched (ISO)	63.0 kJ/m ²	30.0 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	47.0 °C @Thickness 3.20 mm	117 °F @Thickness 0.126 in	ISO 75

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