

A. Schulman FORMION™ FI 394 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-394-Ionomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm @Thickness 3.20 mm	0.0020 - 0.0040 in/in @Thickness 0.126 in	72 hr; ISO 294

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	Instantaneous; ISO 868
Tensile Strength, Ultimate	25.0 MPa	3630 psi	at max load; ISO 527
Elongation at Break	135 %	135 %	ISO 527
Flexural Modulus	1.31 GPa	190 ksi	Tangent; ISO 178
Izod Impact, Notched (ISO)	22.0 kJ/m ²	10.5 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.0 °C @Thickness 3.20 mm	165 °F @Thickness 0.126 in	ISO 75

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