

A. Schulman FORMION™ FI 391E 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-391E-Ionomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	ISO 294
	@Thickness 3.20 mm, Time 259000 sec	@Thickness 0.126 in, Time 72.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	Instantaneous; ISO 868
Tensile Strength, Ultimate	21.0 MPa	3050 psi	at max load; ISO 527
Elongation at Break	450 %	450 %	ISO 527
Flexural Modulus	0.890 GPa	129 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)	58.0 °C	136 °F	ISO 75
	@Thickness 3.17 mm	@Thickness 0.125 in	

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