

A. Schulman FORMION™ FI 396 Ionomer

Category : Polymer , Thermoplastic , Ionomer

Material Notes:

Description Formion® FI 3936 is a 3% glass fiber reinforced, injection molding grade Ionomer, which has been formulated for scratch resistance, and impact. Formion FI 396U is UV stabilized to exceed SAE J1960 2500 kJ/m² automotive performance criteria, and 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-396-Ionomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.0060 - 0.010 cm/cm @Thickness 3.20 mm	0.0060 - 0.010 in/in @Thickness 0.126 in	72 hr; ISO 294

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	15 sec delay; ISO 868
Tensile Strength, Ultimate	19.0 MPa	2760 psi	at max load; ISO 527
Elongation at Break	375 %	375 %	ISO 527
Flexural Modulus	0.705 GPa	102 ksi	Tangent; ISO 178
Izod Impact, Notched (ISO)	40.0 kJ/m ²	19.0 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	52.0 °C @Thickness 3.20 mm	126 °F @Thickness 0.126 in	ISO 75

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China