

A. Schulman FORMION™ FI 391 Ionomer

Category : Polymer , Thermoplastic , Ionomer

Material Notes:

Description Formion® FI 391 is a non-reinforced, injection molding grade Ionomer, which has been formulated for scratch resistance, low temperature ductility, and medium stiffness. Formion FI 391U 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-391-Ionomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.013 - 0.017 cm/cm	0.013 - 0.017 in/in	aged 48 hrs at 80; ISO 294
	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	72 hr; ISO 294
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	15 sec delay; ISO 868
Tensile Strength, Ultimate	20.0 MPa	2900 psi	at max load; ISO 527
Elongation at Break	400 %	400 %	ISO 527
Flexural Modulus	0.770 GPa	112 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)	56.0 °C	133 °F	ISO 75
	@Thickness 3.20 mm	@Thickness 0.126 in	

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