

FORMION® FI 200HFU

Ionomer

A. Schulman Inc.

Message:

Ionomer Nylon Alloy

General Information			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (72 hr, 3.20 mm)	0.80 to 1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 22°C, 3.20 mm)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 22°C, 3.20 mm, Injection Molded)	45.0	MPa	ASTM D638
Tensile Elongation ² (Break, 21°C, 4.00 mm, Injection Molded)	250	%	ASTM D638
Flexural Modulus - Tangent ³ (22°C, 3.20 mm, Injection Molded, 50.0 mm Span)	1000	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (22°C, 3.20 mm)	No Break		ASTM D256A
Multi-Axial Instrumented Impact Energy ⁴ (3.20 mm, Injection Molded, Ductile Failure)	45.0	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm, Injection Molded)	65.0	°C	ASTM D648A
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		
3.	Method I (3 point load), Type I, 50 mm/min		
4.	2.2 m/sec		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

