

Huntsman IROGRAN® A 88 H 4622 TPU-Polyester

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyester Grade

Material Notes:

Introduction: IROGRAN A 88 H 4622 is a black colored thermoplastic polyether/polyester-polyurethane for injection molding and extrusion applications. Additional characteristics of the product are high extrudability and low-adhesion surfaces. Performance Features: High hydrolysis resistance Low-adhesion surfaces Good melt flow High production rates High wear resistance Applications: For the production of jackets for high pressure hoses, jacket material for cables hoses, profiles. Information provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-88-H-4622-TPU-Polyester.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	Injection molded parts
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	Injection molded; ASTM D955
Melt Index of Compound	75 g/10 min @Load 21.6 kg, Temperature 190 °C	75 g/10 min @Load 47.6 lb, Temperature 374 °F	MVR, [cm ³ /10 min]

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	Injection molded parts; ASTM D2240
Hardness, Shore D	36	36	Injection molded parts; ASTM D2240
Tensile Strength at Break	39.0 MPa	5660 psi	Injection molded parts; DIN 53504
Elongation at Break	650 %	650 %	Injection molded parts; DIN 53504
100% Modulus	0.00700 GPa	1.02 ksi	Injection molded parts; DIN 53504
300% Modulus	0.0110 GPa	1.60 ksi	Injection molded parts; DIN 53504
Tear Strength	65.0 kN/m	371 pli	Injection molded parts; ASTM D624
Abrasion	45	45	mm ³ , Injection molded; ISO 4649
Compression Set	25 % @Temperature 22.8 °C, Time 86400 sec	25 % @Temperature 73.0 °F, Time 24.0 hour	Injection molded; ASTM D395
	40 % @Temperature 70.0 °C, Time 86400 sec	40 % @Temperature 158 °F, Time 24.0 hour	Injection molded; ASTM D395

Thermal Properties	Metric	English	Comments
Melting Point	122 - 175 Â°C	252 - 347 Â°F	

Processing Properties	Metric	English	Comments
Feed Temperature	25.0 - 40.0 Â°C	77.0 - 104 Â°F	Extrusion
Middle Barrel Temperature	165 - 190 Â°C	329 - 374 Â°F	Extrusion
Nozzle Temperature	170 - 200 Â°C	338 - 392 Â°F	Extrusion
	180 - 200 Â°C	356 - 392 Â°F	Injection
Adapter Temperature	175 - 195 Â°C	347 - 383 Â°F	Extrusion
Die Temperature	175 - 200 Â°C	347 - 392 Â°F	Extrusion
Melt Temperature	170 - 195 Â°C	338 - 383 Â°F	Injection
Mold Temperature	20.0 - 70.0 Â°C	68.0 - 158 Â°F	Injection

Descriptive Properties	Value	Comments
Heating Zone	175-195Â°C	Injection

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