

Huntsman IROGRAN® A 92 E 4670 TPU-Polyester

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

Material Notes:

Introduction IROGRAN A 92 E 4670 is a thermoplastic polyester polyurethane for melt calendaring. IROGRAN is part of the HUNTSMAN technical extrusion/injection molding product range and offers a specially designed, flexible material with a broad processing window.

Performance Features: High oil resistance High production rate Good melt flow Easy coloring Complies with FDA CFR 175.105

/177.2600 Applications: Cable jacketing Tubing Technical extrusion. Information provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-92-E-4670-TPU-Polyester.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	Injection molded parts; ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	Injection molded; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	Injection molded parts; ASTM D2240
Hardness, Shore D	38	38	Injection molded parts; ASTM D2240
Tensile Strength at Break	36.0 MPa	5220 psi	Injection molded parts; DIN 53504
Elongation at Break	600 %	600 %	Injection molded parts; DIN 53504
100% Modulus	0.00850 GPa	1.23 ksi	Injection molded parts; DIN 53504
300% Modulus	0.0160 GPa	2.32 ksi	Injection molded parts; DIN 53504
Rebound	1.21 %	1.21 %	Bayshore
Tear Strength	80.6 kN/m	460 pli	Injection molded parts; ASTM D624
Abrasion	20	20	mm ³ , Injection molded; DIN 53516
Compression Set	25 %	25 %	Injection molded; ASTM D395
	@Temperature 22.8 °C, Time 86400 sec	@Temperature 73.0 °F, Time 24.0 hour	
	40 %	40 %	Injection molded; ASTM D395
	@Temperature 70.0 °C, Time 86400 sec	@Temperature 158 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Melting Point Thermal Properties	125 - 170 °C Metric	257 - 338 °F English	0.025" extruded film, Comments
-------------------------------------	------------------------	-------------------------	-----------------------------------

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