

Huntsman IROGRAN® A 95 E 4861 Polyester-Based TPU-Injection Extrusion Grade

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

Material Notes:

Introduction: IROGRAN A95 4861 is a high performance polyester based thermoplastic polyurethane intended for extrusion applications. IROGRAN A95E 4861 is part of the HUNTSMAN technical extrusion product range and offers a specially designed, flexible material with a broad processing window particularly suitable for the preparation of extruded films. Performance Features: Excellent hydrolysis resistance High crystallization rate Good low temperature flexibility Good processability

Information provided by Huntsman

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-95-E-4861-Polyester-Based-TPU-Injection-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	ASTM D995
Melt Index of Compound	45 g/10 min	45 g/10 min	
	@Load 21.6 kg, Temperature 215 °C	@Load 47.6 lb, Temperature 419 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	ASTM D2240
Hardness, Shore D	54	54	ASTM D2240
Tensile Strength at Break	55.0 MPa	7980 psi	DIN 53504
Elongation at Break	590 %	590 %	ASTM D412
100% Modulus	0.0120 GPa	1.74 ksi	DIN 53504
300% Modulus	0.0260 GPa	3.77 ksi	DIN 53504
Rebound	35 %	35 %	Bayshore; ASTM D2632
Tear Strength	145 kN/m	830 pli	ASTM D624
Abrasion	27	27	[mm ³]; ISO 4649
Compression Set	26 %	26 %	
	@Temperature 23.0 °C, Time 252000 sec	@Temperature 73.4 °F, Time 70.0 hour	ASTM D395
	46 %	46 %	

Mechanical Properties	Metric	English	Comments
	@ Temperature 70.0 Â°C, Time 86400 sec	@ Temperature 158 Â°F, Time 24.0 hour	ASTM D395

Thermal Properties	Metric	English	Comments
Melting Point	190 - 200 Â°C	374 - 392 Â°F	Huntsman/TMA

Processing Properties	Metric	English	Comments
Feed Temperature	25.0 - 40.0 Â°C	77.0 - 104 Â°F	Extrusion
Front Barrel Temperature	200 - 215 Â°C	392 - 419 Â°F	Extrusion
Nozzle Temperature	200 - 215 Â°C	392 - 419 Â°F	Extrusion
Adapter Temperature	200 - 215 Â°C	392 - 419 Â°F	Extrusion
Die Temperature	200 - 215 Â°C	392 - 419 Â°F	Extrusion

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