

Huntsman IROGRAN® A 85 P 4722 TPU-Polyester

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

Material Notes:

Introduction: IROGRAN A 85 P 4722 is a halogen-free thermoplastic- polyurethane for injection molding and extrusion applications.

Additional characteristics of the product are good microbial resistance, high low-temperature flexibility, especially suitable for the substructure in cable construction. Performance Features: Good hydrolysis resistance Excellent processability Good abrasion resistance

Halogen free Applications: For the production in jacket construction. Information provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-85-P-4722-TPU-Polyester.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	Injection molded parts
Melt Index of Compound	100 g/10 min @Load 21.6 kg, Temperature 190 Â°C	100 g/10 min @Load 47.6 lb, Temperature 374 Â°F	MVR, [cm ³ /10 min]

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	Injection molded parts; ASTM D2240
Tensile Strength at Break	>= 35.0 MPa	>= 5080 psi	Injection molded parts; DIN 53504
Elongation at Break	>= 600 %	>= 600 %	Injection molded parts; DIN 53504
Abrasion	<= 30	<= 30	mm ³ , Injection molded; ISO 4649

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
------------------------	-------	----------

Descriptive Properties

Value T_g 195Å°C

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