

Huntsman IROGRAN® CA116-203 TPU-Polyester

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

Material Notes:

Introduction: IROGRAN CA116-203 is a high performance polyester based thermoplastic polyurethane intended for flat die extrusion applications. IROGRAN CA116-203 is part of the HUNTSMAN film and sheet product range and offers a specially designed, flexible plasticizer free product suitable for the preparation of extruded films with enhanced adhesion following lamination. Performance Features: Low melt temperature High crystallization rate Good low temperature flexibility Good processability Applications: Adhesive film Lamination Information provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-CA116-203-TPU-Polyester.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ASTM D792
Melt Index of Compound	59 g/10 min @Load 5.00 kg, Temperature 190 °C	59 g/10 min @Load 11.0 lb, Temperature 374 °F	MVR, [cm ³ /10 min]

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	Injection molded parts; ASTM D2240
Tensile Strength at Break	10.0 MPa	1450 psi	Injection molded parts; DIN 53504
Elongation at Break	600 %	600 %	Injection molded parts; DIN 53504
100% Modulus	0.00300 GPa	0.435 ksi	Injection molded parts; DIN 53504
300% Modulus	0.00400 GPa	0.580 ksi	Injection molded parts; DIN 53504
Tear Strength	80.6 kN/m	460 pli	Injection molded parts; ASTM D624

Thermal Properties	Metric	English	Comments
Melting Point	80.0 - 110 °C	176 - 230 °F	TMA Melt Range

Processing Properties	Metric	English	Comments
Feed Temperature	149 °C	300 °F	Extrusion
Middle Barrel Temperature	154 °C	309 °F	Extrusion
Adapter Temperature	154 °C	309 °F	Extrusion
Die Temperature	154 °C	309 °F	Extrusion

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