

Huntsman IROGRAN® CA 117-200 DP TPU-Polyester

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

Material Notes:

Polyester-based TPUs that are specially designed for adhesives applications where high green strength and a fast crystallization rate are essential qualities. Information provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-CA-117-200-DP-TPU-Polyester.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	ASTM D2240
Hardness, Shore D	49	49	ASTM D2240
Tensile Strength at Break	19.1 MPa	2770 psi	ASTM D412
Elongation at Break	660 %	660 %	ASTM D412
50% Modulus	0.00607 GPa	0.880 ksi	ASTM D412
100% Modulus	0.00627 GPa	0.910 ksi	ASTM D412
300% Modulus	0.00689 GPa	1.00 ksi	ASTM D412
Rebound	44 %	44 %	Bayshore; ASTM D2632
Tear Strength	92.9 kN/m	530 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	108	108	ASTM D3389

Thermal Properties	Metric	English	Comments
Melting Point	71.0 - 93.0 Å°C	160 - 199 Å°F	TMA Melt Range
Vicat Softening Point	46.0 Å°C	115 Å°F	ASTM D1525
Glass Transition Temp, Tg	-38.0 Å°C	-36.4 Å°F	Midpoint; ASTM E 1269

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