

Huntsman IROGRAN[®] A 95 P 5003 TPU-Polyether

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

Material Notes:

IROGRAN[®] A 95 P 5003 is a polyether based thermoplastic polyurethane intended for injection molding and extrusion applications. Information provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-95-P-5003-TPU-Polyether.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	injection molded; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	94	94	Injection molded; ASTM D2240
Hardness, Shore D	41	41	Injection molded; ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	25 mil film; ASTM D412
Elongation at Break	510 %	510 %	25 mil film; ASTM D412
100% Modulus	0.00896 GPa	1.30 ksi	25 mil film; ASTM D412
300% Modulus	0.0110 GPa	1.60 ksi	25 mil film; ASTM D412
Tear Strength	77.1 kN/m	440 pli	25 mil film; ASTM D624
Abrasion	120	120	mm ³ , injection molded; ISO 4649

Thermal Properties	Metric	English	Comments
Melting Point	159 - 174 Â°C	318 - 345 Â°F	TMA Melt Range, 25 mil film
Flammability, UL94	V-0	V-0	
Oxygen Index	34 %	34 %	injection molded; ASTM D2863

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