

Huntsman IROGRAN® A 75 P 4665N TPU-Polyether

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

Material Notes:

Excellent resistance to hydrolysis and microbial attack. Suggested for injection molding and extrusion. Information provided by Huntsman

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-75-P-4665N-TPU-Polyether.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	ASTM D995

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	ASTM D2240
Hardness, Shore D	23	23	ASTM D2240
Tensile Strength at Break	30.0 MPa	4350 psi	DIN 53504
Elongation at Break	850 %	850 %	ASTM D412
100% Modulus	0.00360 GPa	0.522 ksi	DIN 53504
300% Modulus	0.00640 GPa	0.928 ksi	DIN 53504
Rebound	55 %	55 %	Bayshore; ASTM D2632
Tear Strength	68.4 kN/m	390 pli	ASTM D624
Abrasion	60	60	[mm ³]; ISO 4649
Compression Set	20 % @Temperature 23.0 °C, Time 252000 sec	20 % @Temperature 73.4 °F, Time 70.0 hour	ASTM D395
	48 % @Temperature 70.0 °C, Time 86400 sec	48 % @Temperature 158 °F, Time 24.0 hour	ASTM D395

Thermal Properties	Metric	English	Comments
Melting Point	130 - 155 °C	266 - 311 °F	Huntsman/TMA

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