

Huntsman IROGRAN® A 98 P 4535 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-98-P-4535-TPU-Polyether.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D995

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	ASTM D2240
Hardness, Shore D	51	51	ASTM D2240
Tensile Strength at Break	55.0 MPa	7980 psi	DIN 53504
Elongation at Break	550 %	550 %	ASTM D412
100% Modulus	0.0154 GPa	2.23 ksi	DIN 53504
300% Modulus	0.0250 GPa	3.63 ksi	DIN 53504
Rebound	30 %	30 %	Bayshore; ASTM D2632
Tear Strength	147 kN/m	840 pli	ASTM D624
Abrasion	30	30	[mm ³]; ISO 4649
Compression Set	32 %	32 %	ASTM D395
	@Temperature 23.0 °C, Time 252000 sec	@Temperature 73.4 °F, Time 70.0 hour	
	50 %	50 %	ASTM D395
	@Temperature 70.0 °C, Time 86400 sec	@Temperature 158 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Melting Point	185 - 200 °C	365 - 392 °F	Huntsman/TMA

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