

Huntsman IROGRAN® D 60 E 4024 Polyester-Based TPU-High Performance Grade

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

Material Notes:

High Hydrolysis resistance and good crystallinity. Suggested for injection molding. Information provided by Huntsman

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-D-60-E-4024-Polyester-Based-TPU-High-Performance-Grade.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	ASTM D995

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength at Break	54.0 MPa	7830 psi	DIN 53504
Elongation at Break	610 %	610 %	ASTM D412
100% Modulus	0.0204 GPa	2.96 ksi	DIN 53504
300% Modulus	0.0326 GPa	4.73 ksi	DIN 53504
Rebound	34 %	34 %	Bayshore; ASTM D2632
Tear Strength	219 kN/m	1250 pli	ASTM D624
Abrasion	30	30	[mm ³]; ISO 4649
Compression Set	44 %	44 %	ASTM D395
	@Temperature 23.0 °C, Time 252000 sec	@Temperature 73.4 °F, Time 70.0 hour	
	56 %	56 %	ASTM D395
	@Temperature 70.0 °C, Time 86400 sec	@Temperature 158 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Melting Point	205 - 215 °C	401 - 419 °F	Huntsman/TMA

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