

## Huntsman IROGRAN® A 65 P 4324 N 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-65-P-4324-N-TPU-Polyether.php](http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-65-P-4324-N-TPU-Polyether.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	ASTM D2240
Hardness, Shore D	22	22	ASTM D2240
Tensile Strength at Break	30.0 MPa	4350 psi	DIN 53504
Elongation at Break	900 %	900 %	ASTM D412
100% Modulus	0.00390 GPa	0.566 ksi	DIN 53504
300% Modulus	0.00980 GPa	1.42 ksi	DIN 53504
Rebound	58 %	58 %	Bayshore; ASTM D2632
Tear Strength	70.1 kN/m	400 pli	ASTM D624
Abrasion	60	60	[mm <sup>3</sup> ]; ISO 4649
Compression Set	25 %	25 %	ASTM D395
	@Temperature 23.0 °C, Time 252000 sec	@Temperature 73.4 °F, Time 70.0 hour	
	48 %	48 %	ASTM D395
	@Temperature 70.0 °C, Time 86400 sec	@Temperature 158 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Melting Point	110 - 164 °C	230 - 327 °F	Huntsman/TMA

Optical Properties	Metric	English	Comments
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Transmission Visible Optical Properties	90 % Metric	90 % English	transparent; thickness not reported Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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