

## Huntsman IROGRAN® A 80 P 4699L Ether-Based TPU-For Cable Industry

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

### Material Notes:

Introduction: IROGRAN A 80 P 4699 L is a high performance polyether based thermoplastic polyurethane intended for extrusion and injection mold applications. IROGRAN A 80 P 4699 L is part of the HUNTSMAN extrusion / injection mold product range. Performance

Features: Good melt flow Low adhesion surface High flexibility Good processability Soft Information provided by Huntsman

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Huntsman-IROGRAN-A-80-P-4699L-Ether-Based-TPU-For-Cable-Industry.php](http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-80-P-4699L-Ether-Based-TPU-For-Cable-Industry.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage	0.0011 cm/cm	0.0011 in/in	
Melt Index of Compound	140 g/10 min @Load 10.0 kg, Temperature 190 Å°C	140 g/10 min @Load 22.0 lb, Temperature 374 Å°F	cm<sup>3</sup>/10 min

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	30.0 MPa	4350 psi	DIN 53504
Elongation at Break	670 %	670 %	DIN 53504
100% Modulus	0.00570 GPa	0.827 ksi	DIN 53504
300% Modulus	0.00840 GPa	1.22 ksi	DIN 53504
Rebound	46 %	46 %	Bayshore; ASTM D2632
Tear Strength	76.0 kN/m	434 pli	DIN 5315
Abrasion	50	50	mm<sup>3</sup>; DIN 53516
Compression Set	24 % @Temperature 23.0 Å°C, Time 79200 sec	24 % @Temperature 73.4 Å°F, Time 22.0 hour	ASTM D395
	46 % @Temperature 70.0 Å°C, Time 79200 sec	46 % @Temperature 158 Å°F, Time 22.0 hour	ASTM D395

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Feed Temperature Processing Properties	175 Â°C Metric	347 Â°F English	Extrusion Comments
Front Barrel Temperature	180 Â°C	356 Â°F	Extrusion
Adapter Temperature	180 Â°C	356 Â°F	Extrusion
Die Temperature	175 Â°C	347 Â°F	Extrusion

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China