

Huntsman IROGRAN® A 85 P 4394 UV TPU-Polyether

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

Material Notes:

Introduction: IROGRAN A 85 P 4394 is a high performance polyether based thermoplastic polyurethane intended for extrusion and injection molding applications. IROGRAN A 85 P 4394 is part of the HUNTSMAN technical extrusion product range and offers a specially designed, flexible material with a broad processing window particularly suitable for the preparation of tubing, cable jacketing and technical moldings. Performance Features: High tensile strength Excellent wear performance Excellent hydrolysis & microbial resistance Good low temperature flexibility Information provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-IROGRAN-A-85-P-4394-UV-TPU-Polyether.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	injection molded; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	Injection molded; ASTM D2240
Hardness, Shore D	30	30	Injection molded; ASTM D2240
Tensile Strength at Break	38.6 MPa	5600 psi	25 mil film; ASTM D412
Elongation at Break	600 %	600 %	25 mil film; ASTM D412
100% Modulus	0.00469 GPa	0.680 ksi	25 mil film; ASTM D412
300% Modulus	0.00827 GPa	1.20 ksi	25 mil film; ASTM D412
Tear Strength	61.4 kN/m	350 pli	25 mil film; ASTM D624
Abrasion	30	30	mm ³ , injection molded; ISO 4649

Thermal Properties	Metric	English	Comments
Melting Point	145 - 156 Â°C	293 - 313 Â°F	TMA Melt Range, 25 mil film
Vicat Softening Point	69.0 Â°C @Load 1.02 kg	156 Â°F @Load 2.25 lb	120Â°C/h, injection molded; ASTM D1525
Oxygen Index	21 %	21 %	injection molded; ASTM D2863

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