

Huntsman KRYSTALFLEX[®] PE 501 Polyurethane Optical Aliphatic Film

Category : Polymer , Film , Thermoplastic , Polyurethane, TP

Material Notes:

Key Properties:Moisture ResistanceChemical CompatibilityCooler ProcessingHigher AdhesionMultiple Design OptionNo special storage requiredInformation provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-KRYSTALFLEX-PE-501-Polyurethane-Optical-Aliphatic-Film.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ASTM D2240
Tensile Strength at Break	44.8 MPa	6500 psi	ASTM D412
Elongation at Break	350 %	350 %	ASTM D412
100% Modulus	0.0124 GPa	1.80 ksi	ASTM D412
300% Modulus	0.00345 GPa	0.500 ksi	ASTM D412
Tear Strength	102 kN/m	580 pli	ASTM D624
Peel Strength	5.26 kN/m	30.0 pli	resistance to glass; ASTM D3167
	@Temperature 91.0 °C	@Temperature 196 °F	
	19.6 kN/m	112 pli	resistance to glass; ASTM D3167
	@Temperature 99.0 °C	@Temperature 210 °F	
	21.0 kN/m	120 pli	resistance to glass; ASTM D3167
	@Temperature 113 °C	@Temperature 235 °F	
22.3 kN/m	127 pli	resistance to glass; ASTM D3167	
@Temperature 127 °C	@Temperature 261 °F		
25.6 kN/m	146 pli	resistance to glass; ASTM D3167	
@Temperature 118 °C	@Temperature 244 °F		

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-31.0 °C	-23.8 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	90.0 - 150 Â°C	194 - 302 Â°F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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