

Huntsman KRYSTALFLEX[®] PE 505 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-505-Polyurethane-Optical-Aliphatic-Film.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ASTM D2240
Tensile Strength at Break	46.9 MPa	6800 psi	ASTM D412
Elongation at Break	370 %	370 %	ASTM D412
100% Modulus	0.00758 GPa	1.10 ksi	ASTM D412
300% Modulus	0.0262 GPa	3.80 ksi	ASTM D412
Tear Strength	75.4 kN/m	430 pli	ASTM D624
Peel Strength	6.84 kN/m	39.0 pli	resistance to glass; ASTM D3167
	@Temperature 91.0 °C	@Temperature 196 °F	
	19.3 kN/m	110 pli	
	@Temperature 99.0 °C	@Temperature 210 °F	
25.4 kN/m	145 pli	resistance to glass; ASTM D3167	
	@Temperature 113 °C		@Temperature 235 °F
27.2 kN/m	155 pli	resistance to glass; ASTM D3167	
	@Temperature 118 °C		@Temperature 244 °F

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-64.0 °C	-83.2 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	94.0 - 144 °C	201 - 291 °F	

Processing Properties

Metric

English

Comments

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