

Huntsman KRYSTALFLEX® PE 429 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-429-Polyurethane-Optical-Aliphatic-Film.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	ASTM D2240
Tensile Strength at Break	27.6 MPa	4000 psi	ASTM D412
Elongation at Break	440 %	440 %	ASTM D412
100% Modulus	0.00193 GPa	0.280 ksi	ASTM D412
300% Modulus	0.00827 GPa	1.20 ksi	ASTM D412
Tear Strength	28.9 kN/m	165 pli	ASTM D624
Peel Strength	14.0 kN/m	80.0 pli	resistance to glass; ASTM D3167
	@Temperature 85.0 °C	@Temperature 185 °F	
	24.2 kN/m	138 pli	
	@Temperature 90.5 °C	@Temperature 195 °F	resistance to glass; ASTM D3167
	24.2 kN/m	138 pli	resistance to glass; ASTM D3167
	@Temperature 99.0 °C	@Temperature 210 °F	resistance to glass; ASTM D3167

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-54.0 °C	-65.2 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	65.0 - 125 °C	149 - 257 °F	

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