

Huntsman KRYSTALFLEX[®] PE 499 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-499-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	65	65	ASTM D2240
Tensile Strength at Break	24.1 MPa	3500 psi	ASTM D412
Elongation at Break	850 %	850 %	ASTM D412
100% Modulus	0.00172 GPa	0.250 ksi	ASTM D412
300% Modulus	0.00276 GPa	0.400 ksi	ASTM D412
Tear Strength	39.4 kN/m	225 pli	ASTM D624
Peel Strength	14.0 kN/m	80.0 pli	resistance to glass; ASTM D3167
	@Temperature 85.0 °C	@Temperature 185 °F	
	18.4 kN/m	105 pli	
	@Temperature 90.5 °C	@Temperature 195 °F	resistance to glass; ASTM D3167
	23.7 kN/m	135 pli	resistance to glass; ASTM D3167
	@Temperature 99.0 °C	@Temperature 210 °F	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-49.0 °C	-56.2 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	60.0 - 110 °C	140 - 230 °F	

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