

KRYSTALFLEX™ PE501

Polyurethane (Polyether, Aliphatic)

Huntsman Corporation

Message:

KRYSTALFLEX PE501 is a high performance aliphatic polyether film intended for processing by lamination into a range of glass/plastics components.

General Information			
Features	Flexibility at low temperatures		
	Good UV resistance		
	Hydrolysis resistance		
	High hardness		
Uses	Laminate		
RoHS Compliance	Contact manufacturer		
Forms	Films		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	95		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ASTM D412
100% strain	12.4	MPa	ASTM D412
300% strain	34.5	MPa	ASTM D412
Tensile Strength ² (Yield)	44.8	MPa	ASTM D412
Tensile Elongation ³ (Break)	350	%	ASTM D412
Tear Strength	102	kN/m	ASTM D624
Additional Information			
Softening Range, TMA: 195 to 300°FTypical Laminating Parameters:Ultimate Temperature: 230 to 284°FUltimate Pressure: 116 to 174 psiSoaking Time: 30 min/0.25 in			
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	510 mm/min		

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