

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
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Uses	Laminate
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RoHS Compliance	Contact manufacturer
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Forms	Films
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Physical	Nominal Value	Unit	Test Method
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Specific Gravity	1.07	g/cm ³	ASTM D792
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Hardness	Nominal Value	Unit	Test Method
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Durometer Hardness (Shore A)	95		ASTM D2240
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Elastomers	Nominal Value	Unit	Test Method
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Tensile Stress ¹			ASTM D412
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100% strain	12.4	MPa	ASTM D412
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300% strain	34.5	MPa	ASTM D412
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Tensile Strength ² (Yield)	44.8	MPa	ASTM D412
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Tensile Elongation ³ (Break)	350	%	ASTM D412
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Tear Strength	102	kN/m	ASTM D624
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Additional Information

Softening Range, TMA: 195 to 300°F Typical Laminating Parameters: Ultimate Temperature: 230 to 284°F Ultimate Pressure: 116 to 174 psi Soaking Time: 30 min/0.25 in

NOTE

1.	510 mm/min
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2.	510 mm/min
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3.	510 mm/min
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