

# KRYSTALGRAN™ PE399-100

Polyurethane (Polyether, Aliphatic)

Huntsman Corporation

Message:

KRYSTALGRAN™PE399-100 is a polyurethane (polyether, aliphatic)(PUR-ether, aliphatic) product. It can be processed by film extrusion and is available in North America. KRYSTALGRAN™PE399-100 applications include thin plates, movies and optics/lenses.

Features include:

Strong adhesion

Good flexibility

Transparency

General Information			
Features	Flexibility at low temperatures		
	Good adhesion		
	Hydrolysis resistance		
	Definition, high		
	aliphatic		
Uses	Films		
	Optical applications		
	Sheet		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Film extrusion		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	2.07	MPa	ASTM D412
300% strain	6.89	MPa	ASTM D412
Tensile Strength (Yield)	44.8	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength <sup>1</sup>	36.8	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Melting Temperature	80.0 - 140	°C	
Additional Information			
Melting Point Range, TMA: 80-140°CLaminating Temperature, autoclave: 85-125°C			
NOTE			
1.	C mould		

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#### Recommended distributors for this material

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