

Capran® 980

Polyamide 6

Honeywell

Message:

CAPRAN® 980 is a clear (low haze level), heat-stabilized cast film produced from modified nylon 6 resin. It is recommended as bagging film for advanced composite fabrication and other high temperature applications where dimensional stability, adherence to sealant tapes and uniform film gauge are essential. CAPRAN® 980 has excellent heat stability and resistance to pinholing. It can be used at temperatures up to 390oF (199oC) for typical composite cure cycle times.

General Information			
Additive	heat stabilizer		
Features	Good dimensional stability		
	Definition, high		
	Thermal Stability		
	Thermal stability, good		
Uses	cast film		
Appearance	Clear/transparent		
Forms	Films		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Secant Modulus - MD (51 µm)	552	MPa	ASTM D882
Tensile Strength - MD			ASTM D882
Yield, 51 µm	31.0	MPa	ASTM D882
Break, 51 µm	112	MPa	ASTM D882
Tensile Elongation - MD (Break, 51 µm)	380	%	ASTM D882
Elmendorf Tear Strength - MD (51 µm)	130	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	218 - 220	°C	ASTM D3418
Additional Information			

Dimensional Stability, ASTM D1204, 30 mins, 300°F: <2% shrinkage

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