

Capran® 512 LL

Polyamide 6

Honeywell

Message:

Capran® 512 LL is a heat-stabilized blown film produced from low lactam nylon-6 resin. It is recommended as bagging film for advanced composite fabrication and other high temperature applications where softness and workability are essential. Capran® 512 LL has excellent heat stability and resistance to pinholing. It can be used at temperatures up to 390°F (199°C) for typical composite cure cycle times.

General Information			
Additive	heat stabilizer		
Features	Workability, good		
	Thermal Stability		
	Soft		
Uses	Films		
	Bags		
Forms	Films		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Tensile Strength - MD			ASTM D882
Yield	31.0	MPa	ASTM D882
Fracture	112	MPa	ASTM D882
Tensile Elongation - MD (Break)	380	%	ASTM D882
Elmendorf Tear Strength - MD	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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