

Capran® 518 LL

Polyamide 6

Honeywell

Message:

CAPRAN® 518 LL is a green tinted, 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® 518 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		
Appearance	Green		
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
Fracture	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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