

Capran Medallion® 800

Polyamide 6

Honeywell

Message:

CAPRAN MEDALLION® 800 is a 0.32 mil (8 micron) biaxially oriented nylon 6 film with superior flex crack resistance and clarity properties well suited for packaging applications requiring excellent mechanical strength.

General Information			
Features	High strength Good cracking resistance Definition, high		
Uses	Bi-axially Oriented Film Packaging		
Forms	Films		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
With Metal-Dynamic	0.17		ASTM D1894
With self-dynamics	0.44		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	8.1	µm	
secant modulus			ASTM D882
MD : 8.1 µm	2760	MPa	ASTM D882
TD : 8.1 µm	1900	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture, 8.1 µm	241	MPa	ASTM D882
TD: Fracture, 8.1 µm	290	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 8.1 µm	90	%	ASTM D882
TD: Fracture, 8.1 µm	75	%	ASTM D882
Oxygen Permeability (25°C, 8.1 µm)	2.1	cm ³ · mm/m ² /atm/24 hr	ASTM D3985
Water Vapor Transmission Rate (8.0 µm, 38°C, 100% RH)	530	g · mm/m ² /atm/24 hr	ASTM F1249
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 8.13 µm)	150		ASTM D2457
Haze (8.13 µm)	2.5	%	ASTM D1003

Additional Information

Yield: 75500 in²/lbGraves Tear (initial), ASTM D 1004, MD: 1100 g/milGraves Tear (initial), ASTM D 1004, TD: 1100 g/milSurface Tension, ASTM D5946, treated side: >= 56 dynes/cmSurface Tension, ASTM D5946, untreated side: >50 dynes/cmDimensional Stability, ASTM D1204, MD, 320°F, 5min: 2.5% shrinkageDimensional Stability, ASTM D1204, TD, 320°F, 5min: 1.5% shrinkage

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