

# Capran® DEEPFORM

Polyamide 6

Honeywell

Message:

Capran® DEEPFORM is a Polyamide 6 (Nylon 6) product. It can be processed by thermoforming and is available in North America. Applications of Capran® DEEPFORM include packaging, film and food contact applications.

Characteristics include:

Sterilizable

Clarity

Good Tear Strength

High Gloss

Impact Resistant

General Information			
Features	Autoclavable		
	Good Abrasion Resistance		
	Good Crack Resistance		
	Good Impact Resistance		
	Good Sterilizability		
	Good Tear Strength		
	High Clarity		
	High Gloss		
	Low Gas Permeability		
	Puncture Resistant		
	Radiation Sterilizable		
Uses	Film		
	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1500		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ASTM D1505
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	ASTM D882
Secant Modulus			
1% Secant, MD	827	MPa	
1% Secant, TD	931	MPa	ASTM D882
Tensile Strength			

MD : Yield	93.1	MPa	
TD : Yield	93.1	MPa	
Tensile Elongation			ASTM D882
MD : Break	350	%	
TD : Break	350	%	
Elmendorf Tear Strength			ASTM D1922
MD	100	g	
TD	100	g	
Oxygen Permeability	0.55	cm <sup>3</sup> ·mm/m <sup>2</sup> /atm/24 hr	ASTM D3985
Optical	Nominal Value	Unit	Test Method
Haze	2.0 to 4.0	%	ASTM D1003

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#### Recommended distributors for this material

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