

Capran® 77A

Polyamide 6

Honeywell

Message:

Capran® 77A is a Polyamide 6 (Nylon 6) product. It can be processed by thermoforming and is available in North America. Applications of Capran® 77A include packaging, film, food contact applications and medical/healthcare.

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		
	Puncture Resistant		
	Radiation Sterilizable		
Uses	Film		
	Food Packaging		
	Medical/Healthcare Applications		
	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/cm³	ASTM D1505
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	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	86.2	MPa	
Tensile Elongation			ASTM D882
MD : Break	350	%	
TD : Break	350	%	
Elmendorf Tear Strength			ASTM D1922
MD	70	g	
TD	70	g	
Oxygen Permeability	1.0	cm ³ ·mm/m ² /atm/24 hr	ASTM D3985
Optical	Nominal Value	Unit	Test Method
Haze	1.0 to 2.5	%	ASTM D1003

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

