Capran® 1200 Matte

Polyamide 6

Honeywell

Message:

CAPRAN® 1200 Matte is a nominal 0.55 mil (14 micron) biaxially oriented nylon 6 film with a matte appearance on one side. The matte surface imparts excellent contact clarity while maintaining superior scuff resistance. The combination of properties makes this film well suited for use in thermal lamination films designed for book cover applications.

General Information			
Features	Scratch resistance		
	Definition, high		
Uses	Bi-axially Oriented Film		
	Protective cover		
Appearance	Rough surface polishing		
Forms	Films		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
With Metal-Dynamic	0.45		ASTM D1894
With self-dynamics	0.65		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	14	μm	
secant modulus			ASTM D882
MD : 14 µm	3100	MPa	ASTM D882
TD : 14 µm	3100	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 14 µm	234	MPa	ASTM D882
TD: Broken, 14 µm	234	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 14 µm	83	%	ASTM D882
TD: Fracture	83	%	ASTM D882
Optical	Nominal Value		Test Method
Gloss (60°, 14.0 µm)	7 - 9		ASTM D2457
Additional Information			

Yield: 43300 in²/lbTensile Strength @ Break, ASTM D 882, MD: 28000 to 40000 psiTensile Strength @ Break, ASTM D 882, TD: 28000 to 40000 psiElongation @ Break, ASTM 882, MD: 65 to 100%Elongation @ Break, ASTM 882, TD: 65 to 100%Secant Modulus, ASTM D 882, MD: 375000 to 500000 psiSecant Modulus, ASTM D 882, TD: 375000 to 500000 psiGraves Tear (initial), ASTM D 1004, MD: 1000 to1300 g/milGraves Tear (initial), ASTM D 1004, TD: 1000 to1300 g/milCoefficient of Friction, ASTM D 1894: 0.50 to 0.60 vs Itself-DynamicCoefficient of Friction, ASTM D 1894: 0.40 to 0.50 vs Metal-DynamicSurface Tension, ASTM D5946, untreated side: >50 dynes/cmDimensional Stability, ASTM D1204, MD, 320°F, 5min: 1.0 to 2.0% shrinkageDimensional Stability, ASTM D1204, TD, 320°F, 5min: 0 to 0.5% shrinkagePuncture Strength, ASTM D1306: 925 g 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.

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