

AdvanSix Inc. Capran® 1200 Matte

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. This film is not suitable for food or pet food applications. It is not FDA approved.

Product Quality Specifications (base film)	Target		Test Method	Tolerance
	English	Metric		
Average Thickness	0.472 mil	12 microns	----	± 5%
Basis Weight	8.471 lbs/ream	13.79 g/m ²	calculated	± 5%
Yield	51,000 in ² /lb	72.52 m ² /kg	calculated	± 5%
Dimensional Stability, TD	1.0 %		5 min @ 160°C	2.5% max
Dimensional Stability, MD	2.0%			3.0% max
Haze	3.0%		ASTM D1003	4.0% max

Properties at 73°F(23°C) - 50%RH	Typical Value		Test Method	
	English	Metric		
The properties presented in this data table are typical values and are not to be interpreted as product specifications.				
Tensile Strength @ break	MD TD	34,000-40,000 psi 34,000-40,000 psi	234-276 MPa 234-276 MPa	ASTM D882
Elongation @ break	MD TD	65-100% 65-100%		ASTM D882
Modulus, Secant	MD TD	375,000-500,000 psi 375,000-500,000 psi	2586-3448 MPa 2586-3448 MPa	ASTM D882
Tear Strength, Graves	MD TD	1000-1300 gf/mil 1000-1300 gf/mil		ASTM D1004
Coefficient of Friction, Kinetic Matte to Film Matte to Stainless Steel		0.50-0.60 0.40-0.50		ASTM D1894
Surface Tension, untreated side		> 50 dynes/cm		ASTM D2578
Gloss @ 60°		6.5 – 8.5		ASTM D523
Puncture Strength		925 grams		ASTM F1306

Contact AdvanSix

To learn more about the benefits of Capran® films, visit Advan6.com or Capran.com or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-455-3000** (international)

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