

NYLON SOLUTIONS

Capran® 200B and Capran® 200A

Nylon Films with Anti-stat

Description

Capran® 200B is a blown film produced from low lactam nylon 6 resin and is supplied in sheet, J-fold or double-fold winds. **Capran® 200A** is a cast film that is also produced from low-lactam nylon 6 resin and is supplied in sheet only. They are recommended as variable moisture vapor retarder/enhancer components, useful in building and construction applications. Capran® 200B and 200A films have excellent tear, slip and anti-block/anti-stat characteristics.

Properties @ 73°F (22.7°C), 50% RH		Typical Value		Test Method
		English	Metric	
Standard Thickness		2.0 mil	50 micron	
Modulus		75,000 psi	517 MPa	ASTM D-882
Tensile Yield		4,000 psi	28 MPa	ASTM D-882
Tensile at Break		16,200 psi	112 MPa	ASTM D-882
Elongation at Break		375%		ASTM D-882
Tear Strength		130 gms/layer		ASTM D-1922
Haze		</= 25%		ASTM D-1003
Shrinkage (0.5 hr. @ 300°F/149°C)		< 3%		ASTM D-1204
Crystalline Melt Point		424-428°F	218-220°C	DSC
Coefficient of Friction	Film to Film, 73°F (22.7°C)	0.40 Static	0.20 Kinetic	ASTM D-1894
	Film to Film, 100°F (37.7°C)	0.50 Static	0.25 Kinetic	
	Film to Metal, 73°F (22.7°C)	0.20 Static	0.15 Kinetic	
	Film to Metal, 100°F (37.7°C)	0.20 Static	0.15 Kinetic	
Water Vapor Transmission Rate		gms/100 in ² /day	gms/m ² /day	ASTM F-1249
@ 100°F/100% RH, 37.8°C/100% RH		17	264	
@ 74°F/90% RH, 23°C/90% RH		2.8	43.4	
@ 74°F/70% RH, 23°C/70% RH		0.8	12.4	

Capran® 200B and Capran® 200A, like all nylon films, is a hydrophilic or water-sensitive material. Moisture and water act as plasticizers. The higher the moisture content of the film, the more flexible it becomes. The lower the plasticizer content, the stiffer it becomes. The level of moisture content at time of use is an important factor for successful performance.

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

Contact AdvanSix

To learn more about the benefits of Capran® films, visit AdvanSix.com/NylonSolutions or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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