

AdvanSix Inc. Capran[®] 980

Capran[®] 980 is a clear (low haze level), heat-stabilized cast film produced from modified nylon 6 resin. Capran[®] 980 is recommended as bagging film for advanced composite fabrication and other high temperature applications where dimensional stability, adherence to sealant tapes and uniform film gauge are essential. Capran[®] 980 has excellent heat stability and resistance to pin-holing. Capran[®] 980 is available in sheet in widths ranging from 54" to 84".

Product Specifications			
Thickness (ASTM D6988)			Yield (calculated)
Average	Minimum	Maximum	
2.00 mils (50.8 microns) ± 10%	1.70 mils (43.2 microns)	2.30 mils (58.4 microns)	12,266 in ² /lb (17.4 m ² /kg) ± 10%
3.00 mils (76.2 microns) ± 10%	2.55 mils (64.8 microns)	3.45 mils (87.6 microns)	8,176 in ² /lb (11.6 m ² /kg) ± 10%
4.00 mils (101.6 microns) ± 10%	3.40 mils (86.4 microns)	4.60 mils (116.8 microns)	6,132 in ² /lb (8.7 m ² /kg) ± 10%
5.00 mils (127 microns) ± 10%	4.25 mils (108 microns)	5.75 mils (146 microns)	4,906 in ² /lb (7.0 m ² /kg) ± 10%

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	15,000 psi	103 MPa	ASTM D882
Elongation @ break	400%		ASTM D882
Modulus, Secant	90,000 psi	621 MPa	ASTM D882
Melting Point	424°F	218°C	DSC
Maximum Recommended Use Temperature ⁽¹⁾	400°F	204°C	-----

Capran[®] 980, 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.

NOTE: (1) The maximum recommended use temperature is a function of the duration at maximum temperature and is process specific.

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)

AdvanSix
115 Tabor Road
Morris Plains, NJ 07950



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