

AdvanSix Inc. Capran[®] HS8171-666

Capran[®] HS8171-666 is a blue-green tinted heat stabilized blown film produced from modified nylon resin. It is recommended as a bagging film for advanced composite fabrication and other high temperature applications where softness and workability are essential. Capran[®] HS8171-666 has excellent heat stability and resistance to pin-holing. Capran[®] HS8171-666 is available in sheet, tube and V-sheet in widths ranging from 48" to 80".

Product Specifications		
Thickness (ASTM D6988)		Yield (calculated)
Average	Single Point Minimum	
2.00 mils (50.8 microns) ± 12%	1.70 mils (43.2 microns)	12,234 in ² /lb (17.4 m ² /kg) ± 12%
3.00 mils (76.2 microns) ± 12%	2.55 mils (64.8 microns)	8,156 in ² /lb (11.6 m ² /kg) ± 12%

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	80,000 psi	552 MPa	ASTM D882
Melting Point	406°F	208°C	DSC
Maximum Recommended Use Temperature ⁽¹⁾	375°F	190°C	-----

Capran[®] HS8171-666, 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)

Although AdvanSix Inc. believes that the information contained herein is accurate and reliable, it is presented without guarantee or responsibility of any kind and does not constitute any representation or warranty of AdvanSix Inc., either expressed or implied. A number of factors may affect the performance of any products used in conjunction with user's materials, such as other raw materials, application, formulation, environmental factors and manufacturing conditions among others, all of which must be taken into account by the user in producing or using the products. The user should not assume that all necessary data for the proper evaluation of these products are contained herein. Information provided herein does not relieve the user from the responsibility of carrying out its own tests and experiments, and the user assumes all risks and liabilities (including, but not limited to, risks relating to results, patent infringement, regulatory compliance and health, safety and environment) related to the use of the products and/or information contained herein.

AdvanSix
115 Tabor Road
Morris Plains, NJ 07950



Capran is a registered trademark of AdvanSix Inc.
September 2016, Printed in U.S.A.
©2016 AdvanSix Inc. All rights reserved.

ADVANSIX