

AdvanSix Inc. Capran® 1500RT

Capran® 1500RT is a 0.59 mil (15 micron) biaxially oriented nylon 6 film suggested for retort applications, providing balanced physical properties and good impact strength. The film has a lower average haze, uniform crystallinity, and one step balanced (MD/TD) orientation.

Product Quality Specifications	Target		Test Method	Tolerance
	English	Metric		
Average Thickness	0.590 mil	15 microns	----	± 5%
Basis Weight	10.588 lbs/ream	17.24 g/m ²	calculated	± 5%
Yield	40,800 in ² /lb	58.02 m ² /kg	calculated	± 5%
Dimensional Stability, TD	1.0 %		5 mins @ 160°C	2.5% max
Dimensional Stability, MD	2.0%			3.0% max
Haze	2.5%		ASTM D1003	4.0% max
Surface Tension, treated side	58 dynes/cm		ASTM D2578	56 dynes/cm min

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	34,000-42,000 psi 34,000-42,000 psi	234-290 MPa 234-290 MPa	ASTM D882
Elongation @ break	MD TD	70-90% 70-90%		ASTM D882
Modulus, Secant	MD TD	250,000-350,000 psi 250,000-350,000 psi	1724-2413 MPa 1724-2413 MPa	ASTM D882
Tear Strength, Graves	MD TD	1000-1500 gf/mil 1000-1500 gf/mil		ASTM D1004
Coefficient of Friction, Kinetic Film to Film Film to Stainless Steel		0.60-0.90 0.20-0.30		ASTM D1894
Surface Tension, untreated side		> 50 dynes/cm		ASTM D2578
Oxygen Transmission Rate @77°F (25°C) / 0%RH		3.0-4.0 cc/100in ² /day	47-62 cc/m ² /day	ASTM D3985
Water Vapor Transmission Rate @100°F(37.8°C) / 100%H		20-23 gms/100in ² /day	310-357 gms/m ² /day	ASTM F1249

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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September 2016, Printed in U.S.A.
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