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Certified: ISO 9001: 2008

# PROTECT 2000 Data Sheet

**Specification: MIL-PRF-22191 T/1 C/ 1, MIL-DTL-117H T/1, C/E, S/2**  
**Product Description: BARRIER FILM / LAM / FILM / LAM / HS FILM**

Protect 2000 is heat sealable and can be used for applications requiring superior tear and puncture resistance as well as protection from air and moisture vapor. Best used for materials such as jet engine bearing or other sensitive items requiring periodic inspection during storage.

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES	UNITS	TEST METHOD
Caliper	0.0049	Inches	
Tensile *MD / CD	.34	LBS/In	TAPPI T494
Tensile *MD / CD	.30	LBS/In	TAPPI T494
Yield	4843	In2/Lb	TAPPI T411
Puncture Resistance Seam Strength (351F, 40 psi, 1.0 sec)	20 18	Lbs. Lbs.	MIL-STD 3010A/3015
Tear (MD)	148	Grams	ASTM 689
Tear (CD)	111	Grams	ASTM 689
WVTR	<0.017	G/100SI/ 24 hrs	ASTM F – 1249
Oil Resistance	Passed	---	MIL-STD 3010A/3015
Breaking Strength	72.8	LBS/In	MIL-PRD-131K 4.6.5
Temperature Range	-20 - 160	°F	

Standard Size – 36”x 100 YDS

QPL Listed

*Disclaimer:*

*The data presented refers to typical values only and should serve only as a guide and does not encompass normal variability, or constitute any warranty. We urge purchasers to conduct tests for suitability in their specific end use.*

1746 West Crosby Road, Suite 108, Carrollton, Texas 75006  
Ph: 972-446-2247 Fax: 972-446-2176