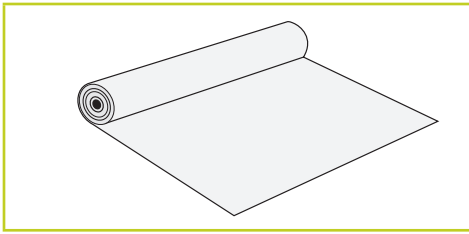


# PERMALON® PLY X-100 FR



**REEF INDUSTRIES, INC.**  
The Manufacturing Leader of Specialized Industrial Plastic Films Since 1957.

PERMALON® PLY X-100 FR

PRODUCT INFORMATION • SPECIFICATION GUIDE

PHYSICAL PROPERTIES AND TYPICAL VALUES	PROPERTY	ASTM TEST METHOD	U.S. VALUE	METRIC VALUE
	Weight	D-3776	17.5 LB/1000 FT <sup>2</sup>	8.5 KG/100 M <sup>2</sup>
	Thickness	D-751	8.0 MIL	0.20 MM
	3" Load @ Yield	D-882	9.0 LBF	40 N
	3" Load @ Break	D-882	28 LBF	125 N
			3500 PSI	24.1 MPA
	3" Elongation @ Break	D-882	475 %	475 %
	Tongue Tear	D-2261	8.5 LBF	38 N
	Trapezoidal Tear	D-4533	12 LBF	53 N
	PPT Resistance	D-2582	26 LBF	116 N
	Dart Impact Strength	D-1709	2.5 LBS	1.14 KG
	Cold Impact Strength	D-1709	-30°F	-34.5°C
	Puncture Strength	D-4833	16.2 LBS	7.35 KG
Fire Retardancy	E-84	5 flame spread, 50 smoke developed		

## FEATURES

- High density, fire retardant, cross-laminated polyethylene resists punctures and tears.
- Passes NFPA 701 Large Scale – “Standard Methods of Fire Tests for Flame-Resistant Textiles and Films”.

The information provided herein is based upon data believed to be reliable. All testing is performed in accordance with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee is made as to the suitability or completeness of such information. Likewise, no representation of warranty or guarantee, expressed or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.

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**TOLLFREE 1.800.231.6074**

9209 Alameda Genoa Rd. • Houston, Texas 77075

P: 713.507.4251 • F: 713.507.4295

Email: [ri@reefindustries.com](mailto:ri@reefindustries.com)

