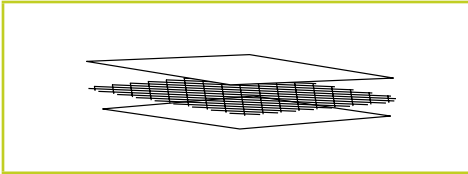


## PLY X-200 FR



Permalon® Ply X-200 FR is a fire-retardant laminate with two layers of multi-axially oriented, high density polyethylene. It is specifically engineered to provide high strength and durability in a lightweight material.

| PHYSICAL PROPERTIES AND TYPICAL VALUES | PROPERTY              | ASTM TEST METHOD                      | U.S. VALUE                      | METRIC VALUE               |
|--|-----------------------|---------------------------------------|---------------------------------|----------------------------|
|  | Weight                | D-751                                 | 59 LB/1000 FT <sup>2</sup>      | 28.8 KG/100 M <sup>2</sup> |
|  | Thickness             | D-2103                                | 14 MIL                          | 0.36 MM                    |
|  | 1" Load @ Yield       | D-882                                 | 18.5 LBF                        | 82 N                       |
|  | 1" Load @ Break       | D-882                                 | 35 LBF                          | 156 N                      |
|  |                       |                                       | 2650 PSI                        | 18.3 MPA                   |
|  | 1" Elongation @ Break | D-882                                 | 350 %                           | 350 %                      |
|  | Tongue Tear           | D-2261                                | 21 LBF                          | 93 N                       |
|  | Trapezoidal Tear      | D-4533                                | 28 LBF                          | 125 N                      |
|  | PPT Resistance        | D-2582                                | 43 LBF                          | 191 N                      |
|  | Dart Impact Strength  | D-1709                                | 4.0 LBS                         | 1.8 KG                     |
|  | Puncture Strength     | D-4833                                | 31 LBS                          | 138 MPA                    |
| Permeance                              | E-96                  | 0.028 Grain/Hr•Ft <sup>2</sup> •In.Hg | 1.606 NG/(PA•S•M <sup>2</sup> ) |                            |
| Fire Retardancy                        | E-84                  | 5 flame spread, 60 smoke developed    |                                 |                            |

## FEATURES

- Passes NFPA 701 SS - "Standard Methods of Fire Tests for Flame-Resistant Textiles and Films".
- Classified as a Class 1, Class A according to UBC-42 and ASTM E-84.
- Multiple polyethylene layers and provide low permeability and resist punctures and tears.
- Cold-crack resistance eliminates failures in extremely cold temperatures.
- Flexibility and light weight allow for easy handling and quick installation.
- Custom fabrication is available to meet your exact specifications.

## SUGGESTED APPLICATIONS

- Architectural vapor retarder for underslab, walls & ceilings and in roofing systems. Ideal for cold storage and high moisture areas.
- Floor covers, dust partitions and cleanroom enclosures.
- Temporary walls, plant dividers, building enclosures and containment tents.

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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**REEF INDUSTRIES, INC.**

The Manufacturing Leader of Specialized Industrial Plastic Films Since 1957.

PLY X-200 FR

PERMALON®

PRODUCT INFORMATION • SPECIFICATION GUIDE



## ORDERING INFORMATION

### AVAILABLE COLORS:

Natural

### SIZES:

Standard rolls from 4' x 100' to 40' x 100' in increments of 4' widths are available for immediate shipment. Standard length and width tolerances are  $\pm 1\%$  (minimum 2")

### USABLE TEMPERATURE RANGE:

Minimum: -40°F -40°C

Maximum: 170°F 77°C

## OUTDOOR EXPOSURE

Under normal continuous exposure the average life expectancy ranges from 18 to 36 months.

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