

## L20 BLACK

Permalon®



Reef L20 Black is a high strength and durable liner material engineered to work in many environments. It is specifically engineered to provide high strength and durability in a lightweight material. Reef L20 is a LLDPE polyethylene product.

| PHYSICAL PROPERTIES AND TYPICAL VALUES | PROPERTY                  | ASTM TEST METHOD | U.S. VALUE                                      | METRIC VALUE                                    |
|----------------------------------------|---------------------------|------------------|-------------------------------------------------|-------------------------------------------------|
|                                        | Weight                    | D-2103           | 96.0 LB/1000 FT <sup>2</sup>                    | 46.8 KG/100M <sup>2</sup>                       |
|                                        | Thickness                 | D-2103           | 20 MIL                                          | 0.51 MM                                         |
|                                        | Density                   | D-1505           | 0.939 G/CC                                      | 0.939 G/CC                                      |
|                                        | 3" Load @ Break           | D-882            | 85.0 LBF                                        | 378 N                                           |
|                                        |                           |                  | 4250 PSI                                        | 29.3 MPA                                        |
|                                        | 3" Elongation @ Break     | D-882            | 600 %                                           | 600 %                                           |
|                                        | Tongue Tear               | D-2261           | 36 LBF                                          | 160 N                                           |
|                                        | Trapezoidal Tear          | D-4533           | 46 LBF                                          | 205 N                                           |
|                                        | Puncture Strength         | D-4833           | 49 LBF                                          | 218 N                                           |
|                                        | Dart Impact Strength      | D-1709           | 5.0 LBS                                         | 2220 g                                          |
|                                        | Water Vapor Permeance     | E-96             | 0.013 Grain/Hr•Ft <sup>2</sup> •In.Hg           | 0.72 NG/(PA•S•M <sup>2</sup> )                  |
|                                        | Methane Transmission Rate | D-3985           | .382 x 10 <sup>3</sup> cc/(m <sup>2</sup> •Day) | .382 x 10 <sup>3</sup> cc/(m <sup>2</sup> •Day) |
|                                        | Carbon Black Content      | D-1603           | 2-3 %                                           | 2-3 %                                           |
|                                        | Oxidative Induction Time  | D-3895           | 100 Minutes                                     | 100 Minutes                                     |

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

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PRODUCT INFORMATION • SPECIFICATION GUIDE

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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