

# Type III C Reinforced Rip-Stop 12 Mil Ice Rink Liner

## Product Description

Type III-C Geo Ice Rink Liners consist of two sheets of high strength white/black virgin polyethylene film laminated together with a third layer of molten polyethylene making an excellent commercial ICE & hockey rink liner. The white upper layer contains UV inhibitors and thermal stabilizers to enhance outdoor life. The white upper layer is also designed to reduce heat build up and condensation while reflecting light. A heavy scrim reinforcement placed between the plies greatly enhances tear resistance and increases service life. Type III-C Geo Ice rink Liners heavy-duty diamond reinforcement responds to tears immediately by surrounding and stopping the tear. Type III-C Geo Ice Rink Liners are used in more demanding applications requiring high liner tear resistance for your ice skating & hockey rink. This ice rink liner is guaranteed to remain flexible at 70 degrees below zero. Minimum Use Temperature: Minus (-) 70 Degrees F

## Size & Packaging

Type III-C Geo Ice Rink Liners are available in a variety of widths up to 80,000 square feet. All panels are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time-saving installation. Type III-C Geo Ice Rink Liner available dimensions:

AVAILABLE WIDTH: 6' increments starting at 24' Width (i.e. 24', 30', 36', 42', 48', 54', 60', 66', 72', 78', 84'Etc...)

AVAILABLE LENGTH: 5' increments starting at 50' length with a maximum of 500' (i.e. 50', 55', 60', 65', 70'Etc...)

Stock Widths 24' X Length

Note: Please keep in mind your backyard or commercial ice rink will be smaller than your Ice Rink liner. Estimate an additional 5' of ice rink liner in both width and length to obtain the ice rink size you desire.



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| PROPERTIES                       | TEST METHOD             | Imperial                                     | Metric  | Imperial                                     | Metric  |
|----------------------------------|-------------------------|--|---|--|---|
| APPEARANCE                       |                         | Black/Black or White/Black                   |   | Black/Black or White/Black                   |   |
| THICKNESS, NOMINAL               |                         | 8 mil  | 0.20 mm   | 12 mil                                       | 0.30 mm   |
| WEIGHT                           |                         | 38 lbs/MSF<br>5.5 oz/yd <sup>2</sup>         | 185 g/m <sup>2</sup>                            | 58 lbs/MSF<br>8.4 oz/yd <sup>2</sup>         | 283 g/m <sup>2</sup>                            |
| CONSTRUCTION                     |                         | Extrusion laminated with scrim reinforcement |   |  |   |
| *TENSILE STRENGTH lbf/in. (N/cm) | ASTM D7003              | 60 lbf                                       | 105 N   | 64 lbf                                       | 112 N   |
| *ELONGATION AT BREAK             | ASTM D7003              | 600 %  | 600 %   | 650 %  | 650 %   |
| *GRAB TENSILE                    | ASTM D7004              | 80 lbf                                       | 356 N   | 100 lbf                                      | 445 N   |
| **TONGUE TEAR                    | ASTM D5884              | 30 lbf                                       | 133 N   | 40 lbf                                       | 178 N   |
| CBR PUNCTURE RESISTANCE          | ASTM D6241              | 240 lbf                                      | 1068 N  | 290 lbf                                      | 1290 N  |
| MULLEN BURST                     | ASTM D751               | 70 psi                                       | 482 kPa   | 100 psi                                      | 689 kPa   |
| MAXIMUM USE TEMPERATURE          |                         | 180°F  | 82°C  | 180°F  | 82°C  |
| MINIMUM USE TEMPERATURE          |                         | -70°C  | -57°C   | -70°C  | -57°C   |
| WVTR                             | ASTM E96<br>Procedure B | 0.030<br>g/100in <sup>2</sup> /day           | 0.46<br>g/m <sup>2</sup> /day                   | 0.023<br>g/100in <sup>2</sup> /day           | 0.35<br>g/m <sup>2</sup> /day                   |
| PERM RATING                      | ASTM E96<br>Procedure B | 0.066 Perms<br>g/(ft <sup>2</sup> ·hr·in·Hg) | (0.044) Perms<br>g/(24hr·m <sup>2</sup> ·mm Hg) | 0.051 Perms<br>g/(ft <sup>2</sup> ·hr·in·Hg) | (0.034) Perms<br>g/(24hr·m <sup>2</sup> ·mm Hg) |

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. GEOCHEM, INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.