

Saint-Gobain Chemlam® 3300 High Mechanical Performance Industrial Laminate

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Description: Chemlam® Silver Ultra is the best mechanically performing series of Chemfab® industrial laminates. Chemlam® Silver Ultra composites feature uniform thickness, multi-layer cast PTFE films laminated to fiber glass reinforcements. Chemfab® laminates outperform traditional PTFE-coated products of similar weight and thickness. **FEATURES:** PTFE cast barrier film surface, crack and pinhole free; Outperforms simple PTFE-coated materials; long-lasting release properties make cleaning easier; low wicking of product into fabric extends useful life. Uniform film thickness over entire surface: Lamination eliminates the possibility of thin spots found in coated materials, which often lead to their premature failure. Bi-colored laminate: Attractive silver top surface is similar in appearance to PTFE cookware; black bottom surface gives clean appearance to composite. High temperature, multi-ply fabrics: Exceptional mechanical properties and dimensional stability at any thickness due to the "plywood" effect; designed for thermal cycling and harsh chemical applications, including cooking and plastic processing. FDA Compliant: Suitable for use in direct food contact applications under the applicable requirements of 21CFR177.1550. All data based on a 0.009 inch test sample. Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Chemlam-3300-High-Mechanical-Performance-Industrial-Laminate.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|------------|---------------|
| Specific Gravity | 1.854 g/cc | 1.854 g/cc | Woven Density |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-----------|---------|-----------------------------------------------------------------|
| Tear Strength Test | 2.0 | 2.0 | Lbs./In. Propagation Tear Strength in fill/transverse direction |
| | 16 | 16 | Lbs./In. for warp/longitudinal Propagation Tear Strength |
| Tear Strength | 40.3 kN/m | 230 pli | Fill/Transverse direction |
| | 57.8 kN/m | 330 pli | Warp/Longitudinal direction |

| Descriptive Properties | Value | Comments |
|------------------------|--------------|----------|
| Color | Silver/Black | |
| Weight (oz/yd^2) | 12.5 | |

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