

Saint-Gobain Chemfab® 183M PTFE Coated Fiberglass Conveyor Belting

Category : Ceramic , Glass , Glass Fiber

Material Notes:

Description: General Notes on Saint Gobain Belting Products: Saint Gobain Performance Plastics developed its belting materials for applications that require superior release characteristics, permeability for rapid drying, dimensional and thermal stability, and the dynamic strength to stand up to the most rigorous operating conditions. The unique behavior of the materials results in a product that is more practical and cost-effective than conventional belting materials. **Release Properties:** The release characteristics of PTFE are superior to those of any other high-temperature material. This non-stick property is retained over a full range of operating temperatures. **Permeability:** Our belting combines a maximum amount of open area with good mechanical strength. The result is a very high level of controlled air flow through the belt, maximizing the rate of drying. **Dimensional Stability:** The woven reinforcement results in an elongation of approximately 1% under normal mechanical loading, even at temperatures of 550°F. Length distortion is exceptionally low, while width rigidity and stability are enhanced by the high modulus of the reinforcement. **Thermal Stability:** Chemfab® brand belting may be used continuously at temperatures up to 550°F without reducing its performance. **Dynamic Stability:** Our belting has been subjected to static and dynamic tests which indicate that it can withstand all normal operating conditions affecting service life. **Chemical Resistance:** PTFE surfaces are unaffected by most chemicals and solvents. **Notes on 183M PTFE Coated Fiberglass Conveyor Belting:** Chemfab® 183M is a satin weave heavily coated with PTFE to provide a smooth surface with excellent release. The weave construction is designed for critical belting applications requiring good tracking and minimal elongation of the belt. The substrate is fiberglass and the coating material is PTFE (PTFE = polytetrafluoroethylene). Material is non-porous. All data based on a 0.024 inch test sample. Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Chemfab-183M-PTFE-Coated-Fiberglass-Conveyor-Belting.php

Physical Properties	Metric	English	Comments
Density	1.9190 g/cc	0.069322 lb/in ³	

Mechanical Properties	Metric	English	Comments
Elongation at Yield	<= 1.0 %	<= 1.0 %	Value given for Elongation at a loading of 40 lbs/in
Tear Strength Test	40	40	Lbs./In. for warp/longitudinal Propagation Tear Strength
	40	40	Lbs./In. Propagation Tear Strength in fill/transverse direction
Tear Strength	131 kN/m	750 pli	Tensile Strength (Warp)
	131 kN/m	750 pli	Tensile Strength (Fill)

Descriptive Properties	Value	Comments
Weight (oz/yd ²)	34.5	

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