

Saint-Gobain Chemfab® 183 PTFE Coated Fiberglass Conveyor Belting

Category : Ceramic , Glass , Glass Fiber

Material Notes:

Description: General Notes on Saint Gobain SPECIALTY SERIES Belting Products: Dimensional Stability: Width rigidity as well as length stability is maintained by CHEMFAB Specialty Series belting in continuous use at temperatures up to 600°F. Under normal operating tensions (3 to 10 pounds per inch of width), CHEMFAB Specialty Series holds its elongation and shrinkage to less than 1%. **Release Properties:** The release properties of CHEMFAB Specialty Series equal or exceed those of any other available belting material. The PTFE coating makes CHEMFAB Specialty Series unique in its low coefficient of friction. **Chemically Resistant:** The PTFE coating encapsulates the Nomex belting carcass and enhances its useful service life. **Dynamic Strength:** CHEMFAB Specialty Series's durability, coupled with low overall belt weight, allows optimal production speed with decreased power requirements. **Temperature Resistant:** CHEMFAB Specialty Series belting can be operated continuously at temperatures up to 600°F and will still maintain 100% of its original profile. **Fabrication Technology:** Saint-Gobain Performance Plastics belt seams have been specifically engineered to reduce the flex fatigue failure. Substantially reduced flex fatigue means longer belt life. **Notes on 183 PTFE Coated Fiberglass Conveyor Belting:** As part of the Chemfab® Specialty Series, this product is designed for applications requiring high strength and low elongations, such as heavy weight belting. These styles are woven and coated to produce specific textures and to resist ridging, puckering, and creasing. The weave style is Satin. The substrate is fiberglass and the coating material is PTFE (PTFE = polytetrafluoroethylene). 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-183-PTFE-Coated-Fiberglass-Conveyor-Belting.php

Physical Properties	Metric	English	Comments
Density	1.112 g/cc	0.04018 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	45	45	Lbs./In. Propagation Tear Strength in fill/transverse direction
	60	60	Lbs./In. for warp/longitudinal Propagation Tear Strength
Tear Strength	78.9 kN/m	450 pli	Tensile Strength (Fill)
	105 kN/m	600 pli	Tensile Strength (Warp)

Descriptive Properties	Value	Comments
Weight (oz/yd ²)	20	

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