

## Saint-Gobain Chemfab® 1589 PTFE Coated Fiberglass Conveyor Belting

Category : Ceramic , Glass , Glass Fiber

**Material Notes:**

**Description:** General Notes on Saint Gobain Open Mesh Belting Products:CHEMFAB 1580, 1589 and 1590 are woven fiberglass belting materials designed for use in forced hot air curing ovens. Saint-Gobain Performance Plastics offers UVR versions of these products, which are designed for use in UV (ultraviolet light) curing ovens.**Dimensional Stability:** Width rigidity as well as length stability is maintained by CHEMFAB Open Mesh Belting in continuous use at temperatures up to 600°F. Under normal operating tensions (3 to 10 pounds per inch of width), CHEMFAB Open Mesh Belting holds its elongation and shrinkage to less than 1%. **Release Properties:** The release properties of CHEMFAB Open Mesh Belting equal or exceed those of any other available belting material. The PTFE coating makes CHEMFAB Open Mesh Belting 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 Open Mesh Belting's durability, coupled with low overall belt weight, allows optimal production speed with decreased power requirements.**Temperature Resistant:** CHEMFAB Open Mesh Belting can be operated continuously at temperatures up to 600°F and will still maintain 100% of its operational profile.**Fabrication Technology:** Saint-Gobain Performance Plastics seams have been specifically engineered to reduce the flex fatigue failure. Substantially reduced flex fatigue means longer belt life. Saint-Gobain Performance Plastics offers a wide variety of seams specifically designed to reduce flex fatigue, including spiral, pin, metal and a truly endless belt. Special end reinforcements with the same properties as the belt provides durable non-fraying edge to facilitate tracking.**Notes on 1589 PTFE Coated Fiberglass Conveyor Belting:**Chemfab® 1589 is a belting material that utilizes an open mesh plain weave. This product is designed to convey small light-weight products through forced hot air ovens. Saint-Gobain Performance Plastics also manufactures a version of this product designed to be used in UV (ultra-violet light) curing ovens (called Chemfab® 1589 UVR). The substrate is fiberglass and the coating material is PTFE (PTFE = polytetrafluoroethylene). All data based on a 0.03 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-1589-PTFE-Coated-Fiberglass-Conveyor-Belting.php](http://www.lookpolymers.com/polymer_Saint-Gobain-Chemfab-1589-PTFE-Coated-Fiberglass-Conveyor-Belting.php)

Physical Properties	Metric	English	Comments
Density	0.5785 - 0.6230 g/cc	0.02090 - 0.02251 lb/in <sup>3</sup>	

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	43.8 kN/m	250 pli	Tensile Strength (Fill)
	52.6 kN/m	300 pli	Tensile Strength (Warp)

Descriptive Properties	Value	Comments
Weight (oz/yd <sup>2</sup> )	13.5	

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