



Sewing in Belt Fabrication

Saint-Gobain Performance Plastics offers many options in the fabrication of its CHEMFAB® Belting Products. These include the sewing of edge reinforcement and splices. For some splices, such as the cable seam or foldback loop seam, sewing is essential, as the splice can only be effective if sewn properly in place. On other splices — especially overlap splices in very hot (intermittent temperature exceeds 260°C (500°F)) — sewing with KEVLAR® or NOMEX® thread can help reduce the likelihood of the splice separating over time.

Sewing edge reinforcement, on the other hand, has little value in most applications. Saint-Gobain properly and completely heat seals the edge reinforcement — whether PTFE film or PTFE-coated fabric — on to the belt with TEFLON® PFA film. This ensures the bond to the belting fabric is as strong as the bond of the PTFE to the fabric.

Saint-Gobain does not recommend “sewn only” edging, and thus does not offer it as a standard option. Sewing of the reinforcement onto the edge was first used to hold the edging material in place during the heat sealing process. Technological and equipment improvements make this step unnecessary; in fact, sewing can be detrimental. Consider:

- The sewing punches small holes in the edge and the fabric; this “perforation” only weakens both materials.
- The edging is the “high point” of the belt and perhaps subject to more wear than the belt surface. The thread used to sew the edge is even higher, and is thus more likely to wear — which may cause the thread to fray or unravel. This may have unwanted results — small fibres collecting in the equipment or even contaminating the product being processed on the belt.

Saint-Gobain fully warrants the workmanship of its belting products, including belt edging. If the belt edge reinforcement should become loose or detach during normal use, the belt will be repaired or replaced. If the edge reinforcement should be damaged or torn due to misuse or abuse, Saint-Gobain can likely repair it, though standard repair charges will apply.

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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