

CORETECH® Darlyn1100 CB

Darlyn1100 CB is a CORETECH® material composed of extremely robust and high strength woven fibreglass coated with PTFE and PTFE/fluoroelastomer alloys. It is laminated with a multi-layer cast PTFE film on one side to provide zero porosity and enhanced chemical resistance. The reliability and durability of Darlyn1100 CB in the most severely corrosive environments is attributable to the incorporation of a fluoroelastomer alloy in the coating matrix in addition to the multiple layers of PTFE. This results in a fluorinated elasto-plastic which combines the most desirable properties of both perfluoroplastics and fluoroelastomers.

CORETECH® Darlyn1100 CB is the preferred choice worldwide for expansion joints in flue gas desulphurisation power plants and similar processes due to its outstanding chemical resistance in the harshest of conditions and superior strength retention even after repeated flexing.

Typical Properties

Property	Value	Test Method
Width	1450 mm	-
Weight	2370 g/m ²	FTMS 191A-5041
Thickness	1.400 mm	FTMS 191A-5030
Tensile Strength	2300 x 2400 N/cm	FTMS 191A-5102
Trap Tear Strength	1130 x 1800 N	FTMS 191A-5136
Construction	Laminated	-
Gas Side PTFE Film Colour	Orange	-
Temperature Resistance	-73 to +260°C	-

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Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics 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.

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