



Product Specification A1121

A1121 is a 12 mil (0.012") thick PTFE-coated fiberglass fabric, black in color, commonly used in grill belt applications. The fiberglass substrate provides excellent dimensional stability and high tensile strength, while the PTFE coating delivers a non-stick surface with superior resistance to high temperatures, chemicals, and moisture. The PTFE coating is specifically formulated to minimize grease and oil penetration, ensuring long-term performance and easy cleaning in high-fat cooking environments. Designed for use in food processing and grilling operations, the material withstands continuous operating temperatures up to 500°F (260°C). It meets FDA 21 CFR 177.1550 requirements for use as a food contact surface. The maximum available width is 45 inches (1,143 mm).

Product Properties	Units	Value	Tolerance	Test Method
Reinforcing Substrate		E-GLASS		
Coating Type		PIGMENTED PTFE		
% Coating	%	58	+/- 2%	
Total Coated Weight	lbs/yd2	1.26	+/- 5%	ASTM D4969
Nominal Thickness	inch	0.013		ASTM D4969
Coating Adhesion Strength	lbs/in	7.4	Typical	ASTM D751
		4.8	Minimum	
Dielectric Breakdown	Volts/Mil	150	Typical	ASTM D149 Method A
		75	Minimum	
Tensile Strength	lbf/in	375	Typical Warp	ASTM D902
		280	Minimum Warp	
		290	Typical Fill	
		210	Minimum Fill	
Tear Strength	lbs	25	Typical Warp	ASTM D5587
		15	Minimum Warp	
		13	Typical Fill	
		6	Minimum Fill	
Operating Temperature	°Fahrenheit	-100° to +500°		

Information contained in this document is based on our general experience and is given in good faith, but we are unable to accept responsibility in respect to factors which are outside our knowledge or control. All data is subject to change without notice.

This product is suitable for direct and repeated use in a food contact application when used in accordance with the product specifications.



Please contact us for samples or a quotation

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