



Product Specification TL7100

TL7100 is a 7 mil flexible nonporous, PTFE composite that combine the features of multilayer fluoropolymer cast film with the mechanical properties of fiberglass-reinforced fabric. The film layer ensures a consistent PTFE thickness across the full texture of fabrics and a more uniform surface that provides improved release, puncture resistance and grease penetration. This unique material is designed for use in a wide range of applications such as PVC window welding, food processing, heat sealing release, and chemically challenging environmental protection and energy applications. Common applications include tortilla cooking, composite lamination and molding, chemical barriers, and containment. Maximum width is 45"

Product Properties	Units	Value	Tolerance	Test Method
Reinforcing Substrate		E-GLASS		
Coating Type		PIGMENTED PTFE		
% Coating	%	75	+/- 2%	
Total Coated Weight	lbs/yd2	0.71	+/- 5%	ASTM D4969
Nominal Thickness	inch	0.0075		ASTM D4969
Coating Adhesion Strength	lbf/in	6.5	Typical	ASTM D751
		4	Minimum	
Dielectric Breakdown	volts/mil	900	Typical	ASTM D149 Method A
		600	Minimum	
Tensile Strength	lbf/in	185	Typical Warp	ASTM D902
		135	Minimum Warp	
		145	Typical Fill	
		85	Minimum Fill	
Tear Strength	lbf	12.5	Typical Warp	ASTM D5587
		4	Minimum Warp	
		8	Typical Fill	
		4	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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