



PTFE CAST FILMS

DF1700

DF1700 is a multilayer cast PTFE film with FEP on one surface to allow heat bonding.

TYPICAL PROPERTIES

PROPERTY	METRIC		IMPERIAL		TEST METHOD
Standard Width	1000	mm	39.4	in	-
Thickness Available	0.025 to 0.075	mm	1 to 3	mil	FTMS 191A-5030
Tensile Strength	29.6	MPa	4,300	psi	ASTM D-882
Elastic Modulus	413	MPa	60,000	psi	ASTM D-882
Coefficient of Friction	0.2				ASTM D-194
Elongation	400 %				ASTM D-882
Dielectric Constant	2.0 60-10 ⁸ Hz				ASTM D-150
Power Dissipation	< 0.0001				ASTM D-150
Surface Resistivity	1 x 10 ¹⁸ Ω/cm ²				ASTM D-257
Volume Resistivity	> 10 ¹⁵				ASTM D-257
Dielectric Strength	4200 volts/mil				ASTM D-257
Surface Arc Resistivity	0				ASTM D-495

FEATURES AND BENEFITS

- Isotropic properties
- Uniform tensile properties in machine and traverse direction
- Multilayer reducing the risk of pinholes or contamination
- Superior performance in a wide range of chemical, thermal, and electrical environments
- Colors and customization available on request

CONTACT US

☎ +353 65 90 80 170

✉ contact@versivcomposites.com

Versiv Composites Limited

Kilrush, Co. Clare, V15 NW27, Ireland

www.versivcomposites.com

IMPORTANT: Pictures shown are for illustration purpose only. The values presented are typical values and should not be used for specification purposes. Contact your representative for more information. It is the user's responsibility to ensure the suitability and safety of Versiv Composites products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Versiv Composites Limited assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication, or application of the products into which the materials are incorporated by purchaser and/or user.

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