



PTFE CAST FILMS

# DF100 & TYPE C/CD

**DF100** and **TYPE C/CD** is a multilayer cast PTFE films produced using a proprietary process. Cast PTFE based material is made up of very thin layers which have been individually deposited, sintered and fused together to produce a material with more uniform properties than what can be achieved by any other manufacturing process.

**TYPICAL PROPERTIES**

PROPERTY	METRIC		IMPERIAL		TEST METHOD
Standard Width	450	mm	17.7	in	-
Thickness Available - DF100	0.025 to 0.127	mm	1 to 5	mil	FTMS 191A-5030
Thickness Available - Type C/CD	0.0127 to 0.019	mm	0.5 to 0.75	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
Elongation	400 %				ASTM D-882
Dielectric Constant	2.0 60-10 <sup>8</sup> Hz				ASTM D-150
Power Dissipation	< 0.0001				ASTM D-150
Surface Resistance	9 x 10 <sup>7</sup> Ω/cm <sup>2</sup>				ASTM D-257
Dielectric Strength	4200 volts/mil				ASTM D-257
Surface Arc Resistivity	Does not arc				ASTM D-495

**FEATURES AND BENEFITS**

- Thin gauge PTFE
- Multilayer construction reduces pinhole risk
- Uniform tensile properties in machine and traverse direction
- Isotropic properties
- Superior performance in a wide range of chemical thermal, and electrical environments
- Colors and customization available on request

**CONTACT US**

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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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