



PTFE CAST FILMS

# DF1700 & DF1900

**DF1700** is a heat bondable multilayer cast fluoropolymer film produced using a proprietary process. These films have a PTFE core with a thin layer of FEP or PFA on one surface. Double bondable (DB) films are also available.

**TYPICAL PROPERTIES**

PROPERTY	METRIC		IMPERIAL		TEST METHOD
Standard Width	1000	mm	39.4	in	-
Thickness Available	0.012 to 0.127	mm	0.5 to 5	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 <sup>8</sup> Hz				ASTM D-150
Power Dissipation	< 0.0001				ASTM D-150
Surface Resistivity	1 x 10 <sup>18</sup> Ω/cm <sup>2</sup>				ASTM D-257
Volume Resistivity	> 10 <sup>15</sup>				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.

WARRANTY: We warranty specifications at delivery and honour claims for such breach of warranty for six (6) months after delivery. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential arising out of the use, misuse or inability to use this product(s). VERSIV COMPOSITES LIMITED DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Version 1 • Valid 11/2023 • Supersedes all previous versions