

POLYIMIDE FLUOROPOLYMER COMPOSITES

DF2919

DF2919N is a polyimide-based composite coated with fluoropolymer. Durable and lightweight, it offers extra wear resistance and excellent insulation properties. With its very low, consistent coefficient of friction, this product is used in very demanding applications such as electronics, automotive and medical.

TYPICAL PROPERTIES

PROPERTY	METRIC		IMPERIAL		TEST METHOD
Standard Widths	1000	mm	39.4	in	-
Weight	90	g/m ²	2.65	oz/yd ²	FTMS 191A-5041
Thickness	0.051	mm	2	mil	FTMS 191A-5030
Density	1.75	g/cm ³	1.01	oz/in ³	-
Tensile Strength (minimum)	83	MPa	12,000	PSI	FTMS 191A-5102
Dielectric Strength	7	kV	3,500	V/mil	FTMS 191A-5136
Elongation (minimum)	40 %				-
Shrinkage	< 0.05 %				-
Moisture Absorption	< 2.0 %				-
Operating Temperature	+260	°C	+500	°F	-

FEATURES AND BENEFITS

- Very low and consistent coefficient of friction
- Chemically inert
- Dimensionally stable
- Non-stick and washable
- Non-flammable/fire resistant

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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