



PTFE CAST FILMS

VERSIV MR

VERSIV MR is a family of films combining the chemical inertness and universal non-stick properties of PTFE polymers with maximum conformability and heat resistance.

They are specifically designed to be used in composite molding applications.

TYPICAL PROPERTIES

PROPERTY	METRIC	IMPERIAL	TEST METHOD
Thickness Available	0.025, 0.050 mm	1, 2 mil	FTMS 191A-5030
Tensile Strength	31 MPa	4,500 psi	ASTM D-882
Elastic Modulus	379 MPa	55,000 psi	ASTM D-882
Yield Stress	9.65 MPa	1,400 psi	ASTM D-882
Resistance to Tear Initiation	3.4 MPa	500 psi	ASTM D-1004
Propagating Tear Strength	0.045 kgF	0.10 lbs	ASTM D-1938
Bursting Strength	0.51 MPa	75 psi	ASTM D-774
Elongation	450 %		ASTM D-882
Dimensional Stability	3% Shrinkage Max		30 Min 500 °F
Coefficient of Linear Thermal Exp.	5.5 x 10 ⁵ in./in. °F		ASTM D-696
Temperature Resistance	-188 to 315 °C	-400 to 600 °F	-

FEATURES AND BENEFITS

- Isotropic properties
- Superior release properties
- High elongation and unmatched drapability yielding
- Available in a wide array of colors including blue, purple/raspberry, red, white and natural

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 2 • Valid 01/2024 • Supersedes all previous versions