

EnkaFusion Filter Jacket



Create Fast Resin Channels

Our #1400 EnkaFusion Filter Jacket is used during resin infusions to create fastmoving channels of resin that permit a wider dispersion path and more even infusions. With a three-dimensional "V" shaped nylon mat core contained within a polyester "sock", EnkaFusion Filter Jacket is fast and easy to set up using our #906 Plastic T Fittings. 4" Wide.

Property	English Units	Test Method
Composite/Unit	Mean Value	
Weight	70.0 g/m ²	ASTM D 5261
Width	0.1 m	
Thickness	5.0 mm	ASTM D 5199
Tensile Strength	2.1 kN	ASTM D 4595
Elongation at 2.0 kN	25.0	ASTM D 4595
Strength at 10% Elongation	1.3	ASTM D 4595
Filter		
Tensile Strength	11.0 kN	ASTM D 4595
Elongation at Break	25%	ASTM 4595
A.O.S (0 ⁹⁵)	<75.0 mm	ASTM D 4751
Permittivity	1.7 S ⁻¹	ASTM D 4491
Permeability	1.5x10 ⁻⁴ m/s	ASTM D 4491

Description

EnkaFusion Filter Jacket consists of a nonwoven polyester filter jacket and a three-dimensional "V" shaped nylon core. The unique "V" shaped structure creates an open channel for resins to race through while maintaining high compression resistance under load. The filter jacket edges are ultrasonically welded — forming a tight envelope around the "V" shape core. This product is designed for use in Infusion, Resin Transfer Molding (RTM) and Vacuum Assisted Resin Transfer Molding (VARTM.)

Features and Benefits

- Creates open flow channel
- Flexible
- Nylon mat Core incased within a thermally bonded, nonwoven polyester fabric sleeve