



EnkaFusion Filter Jacket

Part # - 1400

Resin feed lines made easy

With a three-dimensional "V" shaped core contained within a polyester "sock," this creates an open flow channel for resin to race through during infusion. Used as a resin feed line, the sock will create even flow rates outward across its entire length. 4" Wide.

Description

EnkaFusion Filter Jacket consists of a nonwoven polyester filter jacket and a three-dimensional "V" shaped polyester 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 a flow channel for resin
- Flexible
- Polyester Core incased within a polyester fabric

Property	Metric 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
Elongaton 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	1.7S ⁻¹	ASTM D 4491
Permeability	1.5x10 ⁻⁴ m/s	ASTM D 4491