

Description

EnkaFusion Flow Medium Type CX-1000 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

Technical Data

Physical Properties

Property	Metric Units	Test Method
<i>Composite/Unit</i>	<i>Mean Value</i>	
<i>Weight</i>	70.0 g/m ²	ASTM D 5261
<i>Width</i>	0.1 m	
<i>Thickness</i>	5.0 mm	ASTM D 5199
<i>Tensile Strength</i>	2.1 kN	ASTM D 4595
<i>Elongation at 2.0 kN</i>	25.0	ASTM D 4595
<i>Strength at 10% Elongation</i>	1.3	ASTM D 4595
Filter		
<i>Tensile Strength</i>	11.0 kN	ASTM D 4595
<i>Elongation at Break</i>	25 %	ASTM D 4595
<i>A.O.S. (O⁹⁵)</i>	<75.0 mm	ASTM D 4751
<i>Permittivity</i>	1.7 S ⁻¹	ASTM D 4491
<i>Permeability</i>	1.5x10 ⁻⁴ m/s	ASTM D 4491

Packaging

Property	English Units	Metric Units
<i>Product ID</i>	Type CX-1000	
<i>Roll Width</i>	4.0 in	0.1 m
<i>Roll Length*</i>	328.0 ft/roll	100.0 m
<i>Area / Roll*</i>	109.3 ft ² /roll	10 m ²
<i>Roll Diameter</i>	30 in	.76 m

*Note: CX-1000 is packaged 3 rolls per unit. The 3 roll package weight is 46.7 lbs.

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