

Technical Data Sheet

Fabric Type BAS PP 60 800 T4

Tentative Specification

Reinforcement hybrid woven fabric for composite applications. Uniform distribution of matrix material and reinforcement fibers. Good wetting out. Excellent drape ability. Possibilities for 3D compression moulding. Free of solvents. Clean process. When heating the fabric above the melting point of the matrix, it is easily converted into a composite material. The matrix flows under pressure to form the composite.

Property	Standard/Method	Unit	Value	Tolerance
Base material				
BASALT Roving				
Density		kg/dm ³	2.70	±5%
Melting point*		°C	1350	±100°C
PP Yarn				
Density		kg/dm ³	0.9	
Melting point		°C	165	±5°C
Fabric				
Specific surface weight	ISO 3374:2000	g/m ²	800	
Weave type			Twill 4/4	
Width	ISO 5025:1997	mm	1270	
Thickness	ISO 4603:1993	mm	1.28	
Reinforcement fiber			basalt roving	
Matrix Fiber			PP yarn	
Weight reinforcement %		w%	60%	

* PP matrix : is one of the most commonly used thermoplastics. It is shaped at 180-200°C. Continuous operating T of 90°C. High chemical resistance. Other matrix material on request.

Packaging

Fabric length is approximately 100 lm per roll. Other length on request. Roll tube has internal diameter of 76 mm. Identification label. Standard packing.

Stability over time:

No storage time limitations.