

**Technical Data Sheet**

**Fabric Type BAS PP 60 800 T6**

**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
<b>Base material</b>				
<b>BASALT Roving</b>				
<b>Density</b>		kg/dm <sup>3</sup>	<b>2.70</b>	<b>±5%</b>
<b>Melting point</b>		°C	<b>1350</b>	<b>±100°C</b>
<b>PP Yarn</b>				
<b>Density</b>		kg/dm <sup>3</sup>	<b>0.9</b>	
<b>Melting point</b>		°C	<b>165</b>	<b>±5°C</b>
<b>Fabric</b>				
<b>Specific surface weight</b>	<b>ISO 3374:2000</b>	g/m <sup>2</sup>	<b>800</b>	
<b>Weave type</b>			<b>Twill 6/6</b>	
<b>Width</b>	<b>ISO 5025:1997</b>	mm	<b>1270</b>	
<b>Thickness</b>	<b>ISO 4603:1993</b>	mm	<b>1.43</b>	
<b>Reinforcement fiber</b>			<b>basalt roving</b>	
<b>Matrix Fiber</b>			<b>PP yarn</b>	
<b>Weight reinforcement %</b>		w%	<b>60%</b>	

*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.