

## Brandenburger S 5000 Ablation Material for Aeronautics and Space Aviation

Category : Polymer , Thermoset , Filled/Reinforced Thermoset

### Material Notes:

Information provided by Brandenburger Isoliertechnik GmbH&Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Brandenburger-S-5000-Ablation-Material-for-Aeronautics-and-Space-Aviation.php](http://www.lookpolymers.com/polymer_Brandenburger-S-5000-Ablation-Material-for-Aeronautics-and-Space-Aviation.php)

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in <sup>3</sup>	
Water Absorption	>= 1.0 %	>= 1.0 %	24 hrs; DIN 53 495

Mechanical Properties	Metric	English	Comments
Flexural Strength	100 MPa	14500 psi	EN 63
Compressive Strength	200 MPa	29000 psi	EN ISO 604

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 µm/m-°C	10.0 µin/in-°F	DIN 53 752
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.350 W/m-K	2.43 BTU-in/hr-ft <sup>2</sup> -°F	DIN 52 612
Maximum Service Temperature, Air	230 °C	446 °F	Long Term
	2500 - 3000 °C	4530 - 5430 °F	Short Term

## Contact Songhan Plastic Technology Co.,Ltd.

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