



## SM000 - Premium Grade Plasma Masking Tape

<b>Description</b>	This single sided tape consists of a glass-cloth carrier with silicone rubber and a silicone adhesive.
<b>Product properties</b>	It was developed to withstand the abrasion of grit blasting and the extreme temperatures/pressures of the plasma spray process, and the resistance against high temperatures prevents tape slippage after application. It has a very good strength and flexibility, which allows for an easy wrapping of complex shapes and minimises wrinkling during the flexing of cables.
<b>Specifications</b>	Rolls Royce CSS13
<b>Applications</b>	It is used in the plasma spray process, which is a method of applying thin coatings of metal or high temperature ceramics to a surface. The coating is sprayed at a high pressure and at extreme temperatures, and the tape is applied next to and around the areas that will be plasma sprayed.
<b>Storage and ageing</b>	1 year shelf life whilst stored in ambient room temperatures. Keep out of direct sunlight.
<b>Applying tips</b>	All substrates should be clean and contamination free, a solvent such as Isopropyl-Alcohol is recommended for cleaning purposes, and the tape should be applied with pressure.

### TECHNICAL DATA

<b>Carrier</b>	Glass/Silicone	
<b>Adhesive</b>	Silicone	
<b>Thickness Carrier</b>	0,18 mm	7,09 Mils
<b>Thickness Total</b>	0,27 mm	10,6 Mils
<b>Adhesion on stainless steel</b>	14 N/25mm	3,2 Lbs/inch
<b>Tensile strength length</b>	667 N/25mm	152 Lbs/inch
<b>Elongation length</b>	5 %	
<b>Dielectric strength</b>	7 kV	
<b>Service temperature</b>	Between -73 and 260 °C	Between -99,4 and 500 °F

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