



BlueShield HVOF Masking Compound

Product Description:

BlueShield is a one-step mouldable compound used in HVOF and plasma spray masking. It is available in multiple thicknesses and widths.

Application Notes:

- Clean the surface free from oil or related contaminants. Hand-mould the product onto the locations to be masked off. An average thickness of 5/64" (1.98 mm) to 5/32" (3.97 mm) is recommended.
- If through holes are filled, a backing should be used. On smooth flat surfaces, the BlueShield can be extended into a hook shape to hold around edges.
- Curing takes place at 250°F (120°C) for a minimum of 25minutes, heavier (thicker) coating of BlueShield or larger parts will require a longer cure time. The BlueShield becomes a solid material similar to hard rubber when fully cured. The part is now ready for grit blasting and HVOF spraying.
- After spraying, the BlueShield can be peeled off. Hard to reach spot can be oxidized off at 600°F (316°C). BlueShield covering threaded holes can be removed with a screw driver and using "turning" the plug out. Any remaining residue can be cleaned using MEK, Toluene or the environmental safe, Generally Recognized As Safe (GRAS) rated by the FDA bio-based solvent available from our key distributor.

BlueShield Technical data

Properties	Test Method	Values	
Material		Silicone	
		Imperial	Metric
Cure Time		25 minutes or longer	
Cured Tensile Strength		1,000 psi	6.9 MPa
Density		0.8g/cc	
Hardness	Shore A	55	
Maximum Operating Temperature		900°F	482°C
Sustained Operating Temperature		625°F	357°C
Packaging			
Core I.D.		1"	2.5cm
Shelf Life			
6 months at °(°C) in sealed container			
Over a year when stored in a refrigerated room			
This technical data are of typical values and should not be used to write specifications, create warranties of any kind. Users should determine the suitability of the product for their applications.			



SlickCleaner™ is an ecologically safe biodegradable solvent that is Generally Rated As Safe (GRAS) rated by the FDA. This is a patented blend of d-limonene and natural plant ester for optimal heavy industrial safe cleaning. All ingredients are 100% bio-based and is EPA approved (EPA 40 CFR) as either 4a or 4b inert ingredients. This product rinses easily in water, does not require costly surfactants, and cleans without leaving greasy residue common to some bio-based cleaners. The product are available packaged into 30ml., 120ml., 250ml., 350ml., 500ml., 1 litre and 19 litres.