

LORD® PC10882 Protective Coating

Technical Data Sheet

LORD® PC10882 protective coating is a mineral-filled, epoxy dielectric material designed for screen print application as a protective coating for trimmed resistors and general circuit protection.

Features and Benefits:

Application Diversity – can be screen printed onto a variety of substrates.

Durable – cured film is extremely tough and offers protection against thermal shock, moisture, abrasion and oxidation.

Solvent Resistant – cured film is resistant to many commonly used solvents.

Application/Processing:

Mixing – Gently stir material before using. If dilution is needed, use LORD 3996 thinner.

Applying – Apply material by screen printing using 100-250 mesh stainless steel screens with organic emulsion backing. A sharp squeegee with a 45° angle of attack is recommended. Material may be screen printed at squeegee velocities of up to 25 cm/sec.

Drying/Curing – Allow material to self level for 5-10 minutes at room temperature, followed by oven drying at 150°C for 5-10 minutes to remove the solvent. Cure parts at 245°C for 30 minutes. Optimum cure schedule will vary depending on application and will need to be determined empirically.

Shelf Life/Storage:

Shelf life is six months from date of shipment when stored at 25°C in original, unopened container. Do not store near heat, sparks or open flame.

Typical Properties*

Appearance	Dark Blue Paste
Viscosity, Kcps @ 25°C Brookfield RVT Spindle 6, 10 rpm	65 - 85
Cured	
Insulation Resistance, ohms-cm @ 2 mils	>1 x 10 ¹¹
Dielectric Strength, V/mil	>500
Dielectric Constant	5 - 7
Dissipation Factor, %	< 1

*Data is typical and not to be used for specification purposes.



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Cautionary Information:

Before using this or any Parker LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Values stated in this document represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

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