## TECHNICAL DATA SHEET



# **QLE 1102** Addition Cure Specialty Silicone Coating

Description	Property	Test Method	Value
This elastomer is designed for fabric, textile or cloth coating applications where a tough coating and excellent adhesion is	Uncured Product	Metriou	
needed. Key Features	Color A		Transparent and colorless
<ul><li>Fast cure at elevated temperatures</li><li>Low linear shrinkage</li></ul>	Color B		Transparent and colorless
<ul> <li>Transparent, ideal for pigmentation</li> <li>Low viscosity and good inhibition resistance</li> </ul>	Cure Profile		10 mins at 150°C, 30 mins at 100°C
Application	Cure Type		Addition
Optically clear Use and Cure Information	Density A	BS ISO 2781	1.02
Important The "A" part of this elastomer contains the platinum catalyst;	Density B	BS ISO 2781	1.02
great care should be taken when using automated dispensing equipment to not cross-contaminate systems.	Mix Ratio By Weight		1:1
Mixing  Both the "A" and "B" parts should be well stirred to ensure the material is uniform. The elastomers should be mixed by weight.	Rheology Viscosity A Viscosity B	Brookfield Brookfield	Liquid, Newtonian 2,000 cP 2,000 cP
Once they are mixed, the curing process begins. The gel time of the mixed material is listed under the typical properties. Fast	Cured Product		
curing gels should be dispensed utilizing automated mix and dispensing equipment. In order to achieve optimum performance,	Density	BS ISO 2781	1.02 g/cm3
the same "A" and "B" side lot number should be used.	Elongation at Break	ISO 37	125 %
<b>De-Aeration</b> Air trapped during mixing should be removed to eliminate voids in	Hardness Shore A	ASTM D 2240-95	45
the cured product. Vacuum de-airing may be necessary to completely remove all entrapped air bubbles. To ensure proper de-airing, subject the mixed material to 29 inches mercury.	Max Working Temp Min Working Temp Refractive Index		200 °C / 392 °F -55 °C / -67 °F 1.4
Storage and Self-life This product is best when used within 24 months for the date of	Tensile Strength	ISO 37	5.52 N/mm2 / 800 psi

This product is best when used within 24 months for the date of manufacture; see product label and/or the CoA for the specific "use by date". Product should be stored in its original. unopened container in an environment that does niot exceed 38°C (100°F). Storage beyond the date specified on the label does not neccessarily mean that the product is no longer usable. In this case, the properties required for the intended use should be checked for quality assurance reasons.

Shelf Life 12 mths

0.18 W/mK

38 °C / 100 °F

### **Health & Safety**

Please observe our safety data sheets and the safety remarks on our container labels when handling our products. The dangerous goods regulations and the accident prevention regulations of the professional associations must be particularly observed. Keep the safety data sheet of the applied product at hand since it provides you with useful instructions for the safe use and disposal of the product as well as for actions to be taken in case of accidents.

Thermal Conductivity

Max Storage Temperature

Storage

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