TECHNICAL DATA SHEET



QLE 1102 Addition Cure Specialty Silicone Coating

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This elastomer is designed for fabric, textile or cloth coating applications where a tough coating and excellent adhesion is	Uncured Product		
needed.	Color A		Transparent and
Key Features	0010171		colorless
Fast cure at elevated temperaturesLow linear shrinkage	Color B		Transparent and colorless
Transparent, ideal for pigmentationLow viscosity and good inhibition resistance	Cure Profile		10 mins at 150°C, 30 mins at 100°C
Application	Cure Type		Addition
Optically clear	Density A	BS ISO	1.02
Use and Cure Information	Density A	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	Mix Ratio By Weight		1:1
equipment to not cross-contaminate systems.	Rheology		Liquid, Newtonian
Mixing	Viscosity A	Brookfield	2,000 cP
Both the "A" and "B" parts should be well stirred to ensure the material is uniform. The elastomers should be mixed by weight.	Viscosity B	Brookfield	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

Elongation at Break

Hardness Shore A

Max Working Temp

Min Working Temp

Refractive Index

Shelf Life

De-Aeration

Description

Air trapped during mixing should be removed to eliminate voids in 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.

the same "A" and "B" side lot number should be used.

Storage and Self-life

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.

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Tensile Strength	ISO 37	5.52 N/mm2 / 800 psi
Thermal Conductivity		0.18 W/mK
Storage		
Max Storage Temperature		38 °C / 100 °F

ISO 37

ASTM D

2240-95

125 %

200 °C / 392 °F

-55 °C / -67 °F

12 mths

45

Test

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.

Revision Date 20 Oct 2021

Revision No 4

Download Date 17 May 2024

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