

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 needed.	Uncured Product		
Key Features	Color A		Transparent and colorless
<ul style="list-style-type: none"> Fast cure at elevated temperatures Low linear shrinkage Transparent, ideal for pigmentation Low viscosity and good inhibition resistance 	Color B		Transparent and colorless
Application	Cure Profile		10 mins at 150°C, 30 mins at 100°C
Optically clear	Cure Type		Addition
Use and Cure Information	Density A	BS ISO 2781	1.02
Important	Density B	BS ISO 2781	1.02
The "A" part of this elastomer contains the platinum catalyst; great care should be taken when using automated dispensing equipment to not cross-contaminate systems.	Mix Ratio By Weight		1:1
Mixing	Rheology		Liquid, Newtonian
Both the "A" and "B" parts should be well stirred to ensure the material is uniform. The elastomers should be mixed by weight. Once they are mixed, the curing process begins. The gel time of the mixed material is listed under the typical properties. Fast curing gels should be dispensed utilizing automated mix and dispensing equipment. In order to achieve optimum performance, the same "A" and "B" side lot number should be used.	Viscosity A	Brookfield	2,000 cP
De-Aeration	Viscosity B	Brookfield	2,000 cP
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.	Cured Product		
Storage and Self-life	Density	BS ISO 2781	1.02 g/cm3
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 not exceed 38°C (100°F). Storage beyond the date specified on the label does not necessarily 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.	Elongation at Break	ISO 37	125 %
	Hardness Shore A	ASTM D 2240-95	45
	Max Working Temp		200 °C / 392 °F
	Min Working Temp		-55 °C / -67 °F
	Refractive Index		1.4
	Tensile Strength	ISO 37	5.52 N/mm2 / 800 psi
	Thermal Conductivity		0.18 W/mK
	Storage		
	Max Storage Temperature		38 °C / 100 °F
	Shelf Life		12 mths

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 20 May 2022

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