

QLE 1039 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		Blue
<ul style="list-style-type: none"> 100% solids Long open time Excellent adhesion Tough, resilient coating 	Color A		Translucent
Application	Color B		Blue
Fabric, textiles and cloth coating applications	Cure Profile		60 minutes at 150°C
Use and Cure Information	Cure Type		Addition
Important	Gel Time at 25°C/77°F		>24 hr
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
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.	Self Bonding		Yes
De-Aeration	Specific Gravity A		1.02
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.	Specific Gravity B		1.02
Storage and Self-life	Viscosity A	Brookfield	31,000 cP
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.	Viscosity B	Brookfield	18,000 cP
Health & Safety	Viscosity Mixed	Brookfield	25,000 cP
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.	Cured Product		
	60 minutes at 150°C		
	Elongation at Break	ISO 37	180 %
	Hardness Shore A	ASTM D 2240-95	44
	Tensile Strength	ISO 37	5.52 N/mm² / 800 psi
	Young's Modulus		470 psi
Revision Date	29 Sep 2021		
Revision No	3		
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