TECHNICAL DATA SHEET



12 mths

QLE 1102 Addition Cure Specialty Silicone Coating

Description

Test Property Value Method This elastomer is designed for fabric, textile or cloth coating **Uncured Product** applications where a tough coating and excellent adhesion is needed. Transparent and Color A **Key Features** colorless Fast cure at elevated temperatures Transparent and Color B Low linear shrinkage colorless Transparent, ideal for pigmentation 10 mins at 150°C, 30 mins at 100°C **Cure Profile** Low viscosity and good inhibition resistance Application Addition Cure Type Optically clear BS ISO 1.02 Density A **Use and Cure Information** 2781 Important BS ISO Density B 1.02 The "A" part of this elastomer contains the platinum catalyst; 2781 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 Viscosity B 2,000 cP Brookfield material is uniform. The elastomers should be mixed by weight. Once they are mixed, the curing process begins. The gel time of **Cured Product** the mixed material is listed under the typical properties. Fast BS ISO curing gels should be dispensed utilizing automated mix and 1.02 g/cm3 Densitv 2781 dispensing equipment. In order to achieve optimum performance, the same "A" and "B" side lot number should be used. **ISO 37** 125 % Elongation at Break ASTM D **De-Aeration** Hardness Shore A 45 2240-95 Air trapped during mixing should be removed to eliminate voids in the cured product. Vacuum de-airing may be necessary to 200 °C / 392 °F Max Working Temp completely remove all entrapped air bubbles. To ensure proper -55 °C / -67 °F Min Working Temp de-airing, subject the mixed material to 29 inches mercury. **Refractive Index** 1.4 Storage and Self-life **Tensile Strength ISO 37** 5.52 N/mm2 / 800 psi This product is best when used within 24 months for the date of Thermal Conductivity 0.18 W/mK manufacture; see product label and/or the CoA for the specific "use by date". Product should be stored in its original. unopened Storage container in an environment that does niot exceed 38°C (100°F). 38 °C / 100 °F Max Storage Temperature

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.

Shelf Life

Revision Date	20 Oct 2021
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checked for quality assurance reasons.

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

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