

ACC QLE 1100 QSI Quantum Silicones 43 Durometer Clear, Addition Cure, 1-part Elastomer for Coating

Category : Polymer , Thermoset , Silicone

Material Notes:

QLE 1100 is a 100% silicone solids elastomer designed for use as a conformal coating, but can also be used for cloth coating applications.

Key Features: 100% solids Transparent, ideal for pigmentation Fast cure at elevated temperatures Good abrasion resistance Primerless adhesion to many substrates Low viscosity Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-QLE-1100-QSI-Quantum-Silicones-43-Durometer-Clear-Addition-Cure-1-part-Elastomer-for-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	
Viscosity	1000 cP	1000 cP	
Storage Temperature	<= 4.40 °C	<= 39.9 °F	6 months

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	43	43	cured 30 mins @ 150°C
Tensile Strength, Yield	0.620 MPa	89.9 psi	cured 30 mins @ 150°C
Elongation at Break	50 %	50 %	cured 30 mins @ 150°C

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	
	@Temperature 200 °C	@Temperature 392 °F	
	30.0 min	0.500 hour	
	@Temperature 150 °C	@Temperature 302 °F	

Descriptive Properties	Value	Comments
Color	Clear/Light Brown	

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