

## ACC QLE 1101 QSI Quantum Silicones Specialty Silicone Coating

Category : Polymer , Thermoset , Silicone

### Material Notes:

QLE 1101 is a low viscosity, two-component, addition cure, silicone elastomer. Key Features: Fast cure at elevated temperatures Low linear shrinkage Transparent, ideal for pigmentation 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-1101-QSI-Quantum-Silicones-Specialty-Silicone-Coating.php](http://www.lookpolymers.com/polymer_ACC-QLE-1101-QSI-Quantum-Silicones-Specialty-Silicone-Coating.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	"B" component
	1.02 g/cc	1.02 g/cc	"A" component
Viscosity	2000 cP	2000 cP	"B" component
	2000 cP	2000 cP	"A" component
Storage Temperature	<= 38.0 °C	<= 100 °F	12 months

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	cured
Tensile Strength, Yield	5.52 MPa	801 psi	cured
Elongation at Break	300 %	300 %	cured

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.180 W/m-K	1.25 BTU-in/hr-ft <sup>2</sup> -°F	cured
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.40	1.40	cured
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Processing Properties	Metric	English	Comments
Cure Time	10.00000 min	0.1666667 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	30.0 min	0.500 hour	

Processing Properties	Metric	English	Comments
	@ Temperature 100 °C	@ Temperature 212 °F	
Descriptive Properties	Value		Comments
Color	Transparent		"A" component
	Transparent		"B" component
Work Life	180 mins		

## Contact Songhan Plastic Technology Co.,Ltd.

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