

ACC QLE 1020 QSI Quantum Silicones 45 Durometer Clear, Addition Cure Elastomer for Coating

Category : Polymer , Thermoset , Silicone

Material Notes:

QLE 1020 is a 100% silicone solids elastomer designed for fabric or cloth coating applications. This two-component system offers a tough coating with excellent adhesion and fast cure.Key Features: 100% solids Long open time Excellent adhesion Clear, but can be tinted Good abrasion resistancePart of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:
http://www.lookpolymers.com/polymer_ACC-QLE-1020-QSI-Quantum-Silicones-45-Durometer-Clear-Addition-Cure-Elastomer-for-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	"B" component
	1.02 g/cc	1.02 g/cc	"A" component
Viscosity	6000 cP	6000 cP	"B" component
	50000 cP	50000 cP	"A" component
Storage Temperature	<= 38.0 °C	<= 100 °F	12 months

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	cured 60 mins @ 150°C
Tensile Strength, Yield	3.40 MPa	493 psi	cured 60 mins @ 150°C
Elongation at Break	260 %	260 %	cured 60 mins @ 150°C
Tear Strength	8.77 kN/m	50.0 pli	cured 60 mins @ 150°C

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

Processing Properties	Metric	English	Comments
Gel Time	>= 4320 min	>= 4320 min	Catalyzed

Descriptive Properties	Value	Comments
Color	Clear	"A" component
	Clear	"B" component

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