



Circalok™ 6009 A/B

Description:

Circalok™ 6009 A/B is a two component epoxy resin system which has moderate thermal conductivity and low viscosity. Circalok™ 6009 A/B meets UL 94V-0 specification for flame retardance.

Typical Uncured Properties:

Specific gravity (g/cc)	
Part A	1.65
Part B	1.00
Mixed	1.52
Viscosity @ 25°C (cps)	
Part A	16,600
Part B	40
Mixed	2,600
Color	
Part A	Black
Part B	Pale Yellow
Mixed	Black
Shelf life (months)	12
(from date of shipment in closed containers)	

Typical Electrical Properties:

Dielectric Strength, volts/mil	500
Volume Resistivity @ 25°C, ohm-cm	10 ¹⁵

Typical Cured Properties:

Mix Ratio by weight	100:10
by volume	100:16.5
Note: Mix entire contents of container well before using.	
Gel Time @ 65°C (minutes)	15-30
Cure @ 65°C (hours)	2-4

Typical Physical Properties:

Hardness, Shore D	90
Tensile Strength (psi)	7,000
Elongation (%)	1.9
Linear Shrinkage (in/in)	0.004
Water Absorption, 10 days @ 25°C (%)	0.35
Temperature Rating Guide*	130°C

***Temperature Rating Guide:** Is based on average design requirements and the guide is not intended as a guarantee of suitability for all applications operating at that temperature. The guide is based on the weight loss.

In most cases, STM (Lord Standard Test Methods) test methods correspond with standard ASTM tests. Copies are available upon request.

Typical Thermal Properties:

Thermal Conductivity BTU/ft ² /hr/°F/in	5.0
Watts/Meter-°C	0.7

Handling Precautions:

The labels on containers of Lord materials contain current information on the hazards associated with each particular product. Most epoxy resins and hardeners are skin and eye irritants, and some may actually be corrosive to the skin and eyes. Other problems, such as skin sensitization or serious health hazards may exist. Further information on each product is contained in the Material Safety Data Sheet, which will be sent upon request.

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