

6416
Epoxy Adhesive

High Toughness and Insulation, Thermal Shock Resistance

UNCURED PROPERTIES		
Product	6416-A	6416-B
Appearance	Viscous Liquid	
Color	Light Yellow	Black
Viscosity, cP @25°C	110,000-111,000	37,100-38,000
Thixotropic Index	2	1
Specific Gravity	1.30	1.10
CURING PROPERTIES		
Mix Ratio, (A:B) by Weight	1 : 1	
Surface Dry Time, @25°C, hr	3	
Gel Time, @25°C, hr	1	
Cure Time, @25°C, days	7	
CURED MECHANICAL PROPERTIES		
Glass Transition Temperature, °C	27	
CTE, (>Tg) μm/m/°C	240	
Hardness, Shore D	78	
Water Absorption Ratio, 24hr, %	0.90	
Thermal Resistance, m²K/W	0.01	
Thermal Conductivity, W/mk	0.3	
Volume Resistivity, ohm-cm	4.5 x 10 ¹⁵	
Surface Resistivity, ohm	4.5 x 10 ¹⁴	
Dielectric Constant, 1KHz	3.2	

General Information

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Storage and Shelf Life

Store product in a cool, dark place when not in use. This product has a one year minimum shelf life after date of manufacture, unless otherwise specified, when stored at 60-80 °F (16-27 °C) in original, unopened containers.

Certification / Recognition

RoHs Complaint: INCURE 6416 complies with the European Union's "Restriction of Hazardous Substances" (RoHs) initiative 2002/95/EC.

Note

The data contained in this technical data sheet are furnished for information only. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein. INCURE will not be liable for any indirect, special, incidental or consequential loss or damage arising from this INCURE product, regardless of the legal theory asserted. INCURE recommends that each user adequately test its proposed use and application before repetitive use, using this data as a guide.