

Master Bond UV24TKLO One Component, UV-Curable, Low Outgassing Adhesive System

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive , Epoxy Encapsulant , Unreinforced

Material Notes:

Master Bond Polymer System UV24TKLO is a one part UV curable epoxy modified formulation for bonding, sealing and encapsulation. It passes the rigorous requirements for low outgassing as per ASTM E-595. Most noteworthy, it has outstanding resistance to chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Master-Bond-UV24TKLO-One-Component-UV-Curable-Low-Outgassing-Adhesive-System.php

Physical Properties	Metric	English	Comments
Viscosity	5000 - 15000 cP	5000 - 15000 cP	
	@Temperature 40.0 °C	@Temperature 104 °F	
	30000 - 45000 cP	30000 - 45000 cP	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80 - 85	80 - 85	
Tensile Strength	>= 55.2 MPa	>= 8000 psi	
Tensile Modulus	>= 1.24 GPa	>= 180 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	149 °C	300 °F	
Minimum Service Temperature, Air	-51.1 °C	-60.0 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	>= 90 %	>= 90 %	thickness not specified

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	
Dielectric Constant	3.7	3.7	
	@Frequency 60.0 Hz	@Frequency 60.0 Hz	

Processing Properties	Metric	English	Comments
Shelf Life	6.00 Month	6.00 Month	in original unopened containers

Descriptive Properties	Value	Comments
Chemical Resistance	Ethylene glycol	<2% weight change
	Isopropyl alcohol	2-3% weight change
	Water	<2% weight change, 90 day immersion
Color	Clear	

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