

Epoxies, Ect. 20-3003

Epoxy; Epoxide

Epoxies, Etc.

Message:

20-3003 is a low viscosity, potting, encapsulating, and adhesive system. Its low viscosity allows for good flow and wetting of substrates.

20-3003 has a convenient 2:1 (Resin:Catalyst) mix ratio by weight or volume. It will cure at room temperature or with mild heat. Ideal for meter mix and dispense equipment.

Features:

Excellent chemical & corrosion resistance

Excellent water resistance

Excellent adhesion to metals & plastics

General Information		
Features	Good Adhesion	
	Good Chemical Resistance	
	Good Corrosion Resistance	
	Good Flow	
	Low to No Water Absorption	
	Low Viscosity	
Uses	Adhesives	
Appearance	Grey	
Processing Method	Encapsulating	
	Potting	
Mechanical	Nominal Value	Unit
Flexural Strength	96.5	MPa
Impact	Nominal Value	Unit
Notched Izod Impact	27	J/m
Thermal	Nominal Value	Unit
Heat Deflection Temperature	96.0	°C
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	24500	cP
Uncured Properties	Nominal Value	Unit
Color		
-- 1	Black	
-- 2	Grey	
-- 3	White	
Mix Ratio by Weight (PBW)		
Part A	100	
Part B	50	
Mix Ratio by Volume (PBV)		

Part A	100	
Part B	50	
Density (25°C)	1.02	g/cm ³
Viscosity		
25°C ⁴	13	Pa·s
25°C ⁵	30	Pa·s
Gel Time ⁶ (25°C)	1.5E+2	min
Cured Properties	Nominal Value	Unit
Water Absorption ⁷	0.18	%
Shore Hardness (Shore D)	84	
Tensile Strength	58.6	MPa
Tensile Elongation at Break	4.5	%
Compression Strength	82.7	MPa
Relative Permittivity	3.61	
Volume Resistivity	1.1E+15	ohms·cm
Dissipation Factor	0.021	

NOTE

- | | |
|----|----------------|
| 1. | Part A |
| 2. | Mixed |
| 3. | Part B |
| 4. | Part A |
| 5. | Part B |
| 6. | 100 gram mass |
| 7. | After 24 hours |

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