

Epoxies, Ect. 20-3060

Epoxies; Epoxide
Epoxies, Etc.

Message:

20-3060 is a general purpose, low viscosity epoxy potting and encapsulating resin system. This is a 100% solids system. It therefore does not contain any solvents.

20-3060 is a filled system resulting in excellent dimensional stability and extremely low shrinkage. 20-3060 is characterized by exceptional resistance to impact, vibration, and hermal shock. In addition, this versatile resin system is machinable and ideal for use with meter mix dispensing equipment.

Due to its high purity, 20-3060 offers the ultimate in physical, thermal and electrical insulation properties. The cured polymer exhibits excellent resistance to chemicals, moisture, solvents and environmental exposure.

20-3060 is recommended for applications requiring the optimum in over-all properties and where rigid or flexible wire leads protrude directly from the encapsulant. This system eliminates microscopic cracking when leads are flexed. It also adheres extremely well to lead materials, such as vinyl, neoprene, natural rubber, etc...

20-3060 has found wide acceptance as an encapsulant for applications such as transformers, coils, chokes, solenoids, resistors, modules, microcircuitry, resistors, capacitors, etc... 20-3060 has been formulated for ease in handling and its low viscosity aids in pouring, filling voids and air pockets. In addition, the fillers in 20-3060 have been dispersed to minimize any heavy settling.

General Information		
Features	Electrically Insulating	
	General Purpose	
	Good Adhesion	
	Good Chemical Resistance	
	Good Dimensional Stability	
	Good Flexibility	
	Good Impact Resistance	
	Low Shrinkage	
	Low to No Water Absorption	
	Low Viscosity	
	Machinable	
	Shock Resistant	
Uses	Adhesives	
	General Purpose	
Appearance	Black	
Processing Method	Encapsulating	
	Potting	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	0.50	%
Thermal	Nominal Value	Unit
Thermal Conductivity	0.43	W/m/K
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	10000	cP

Additional Information	Nominal Value	Unit
Operating Temperature	-50.0 to 135	°C
Uncured Properties	Nominal Value	Unit
Color	Black	
Density ¹ (25°C)	1.50	g/cm ³
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	82	
Tensile Strength	68.9	MPa
Compression Strength	155	MPa
Electric Strength	18	kV/mm
Relative Permittivity (100 Hz)	4.51	
Volume Resistivity	4.0E+14	ohms·cm
NOTE		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

