

# Epoxies, Ect. 20-2028

Polyurethane  
Epoxies, Etc.

Message:

20-2028 is a light weight, two component, closed cell, liquid urethane foaming resin system designed for potting and encapsulating. The density is 11 pounds per cubic foot.

20-2028 is a water blown rigid foam that does not contain any hydrochlorofluorocarbon (HCFC). It is also safer to use since it does not utilize MOCA or TDI.

20-2028 has been formulated for ease in handling with a convenient 1:1 mix ratio, low viscosity, and short demolding time. Castings can be hand poured or machine dispensed.

Features:

- Excellent chemical solvent and moisture resistance
- Outstanding thermal shock resistance
- Good impact resistance
- Very good electrical insulation value
- Very fast curing

General Information		
Features	Electrically Insulating	
	Fast Cure	
	Good Impact Resistance	
	Good Thermal Shock Resistance	
	Low to No Water Absorption	
	Low Viscosity	
	Semi Rigid	
Uses	Electrical/Electronic Applications	
	Foam	
Appearance	Tan	
Processing Method	Encapsulating	
	Potting	

Thermal	Nominal Value	Unit
Thermal Conductivity	0.040	W/m/K

Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	250	cP
Demold Time	10	min
Cream Time	1.0	min
Operating Temperature	-50.0 to 150	°C

Uncured Properties	Nominal Value	Unit
Color	Tan	

Mix Ratio by Weight (PBW)		
Part A	1.0	

Part B	1.0	
Density <sup>1</sup> (25°C)	1.23	g/cm <sup>3</sup>
Viscosity		
25°C <sup>2</sup>	0.20	Pa·s
25°C <sup>3</sup>	1.4	Pa·s
Cured Properties	Nominal Value	Unit
Tensile Strength	0.414	MPa
Relative Permittivity (1 MHz)	1.25	
Dissipation Factor (1 MHz)	5.0E-3	
NOTE		
1.	Mixed	
2.	Part B	
3.	Part A	

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