

20-2100 FR

FLEXIBLE, FLAME RETARDANT HIGH PERFORMANCE URETHANE ELASTOMER SYSTEM

DESCRIPTION:

20-2100 FR is a two component, room temperature curing, low viscosity polyurethane system for potting, casting, encapsulating and sealing electronic components and assemblies. 20-2100 FR is a flame retardant self extinguishing system. This product was tested in our laboratory for flame retardancy properties. According to our test results it meets the requirements of UL 94-V0. This system does not contain any MOCA or TDI and is therefore safer to use and less toxic than many urethane systems.

FEATURES:

- Low viscosity and good air release
- Hydrolytic stability
- Very high tensile and compressive strength
- Excellent elongation and tear strength
- Outstanding vibration and thermal shock resistance
- Exceptional electrical insulation properties
- Chemical, solvent and moisture resistant

PHYSICAL SPECIFICATIONS:

Viscosity, cps @ 25°C Catalyzed	5,500
Standard Color	Grey
Pot Life	40 Minutes
Hardness Shore A	80
Specific Gravity, 25°C/25°C	1.4
Tensile strength, psi	1,600
Thermal conductivity, btu in/ft hr °F	4.5
Thermal expansion coefficient, per °C	15 x 10 ⁻⁵
Operating temperature, °C	-55 to +130
Dielectric strength, volts/mil	630
Dielectric constant, 60 Hz	4.1
Dissipation factor, 60 Hz	.049
Volume resistivity, ohm cm	3.4 x 10 ¹³

INSTRUCTIONS FOR USE:

1. By weight, mix 20 parts Cat.10 (Iso) to 100 parts 20-2100FR (Polyol). Volume Ratio 100:23.
2. Mix thoroughly and pour.
3. Cure 8-12 hours at room temperature or accelerate with mild heat up to 150°F.

STORAGE, HANDLING & SAFETY:

Store both components at 75-85°F in original containers. If the containers are opened and the contents partially used, the material left in the container should be blanketed with dry nitrogen before sealing. The products are moisture sensitive. In the original unopened quart, gallon, 5 gallon pail and 55 gallon drum containers, this product has a twelve month shelf life. Carefully read Material Safety Data Sheets before using.

IMPORTANT:

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

02/12