

Technical Support Guide

Describe the application: (Very Important)

Are you casting a part, making a mold, potting into a container, impregnating, encapsulating a component, etc.
How will the finished device function?

Size of the Part:

- important from the standpoint of maximum allowable exotherm, minimum cure time, and gel time (pot life) of material.

Shape of the Part:

The type of material being considered:

Urethane or Epoxy?

Rigid or Flexible?

Does the material have to mimic the properties of any other material? What?

Has the project been tried before with another product?

If so, what product? Who makes it? Can you fax/email specs?

Cured Properties:

Shore Hardness:

Is color important? Clarity?

Heat Deflection Temperature (HDT):

Operating Temperature:

Min:

Max:

Continuous?

Intermittent?

Indoor or Outdoor environment?

Will it be subjected to any pressure or force? How much?

Cured Properties: Provide any other known cured properties such as :

-Tensile Strength (psi):

-Elongation (%):

-Izod Impact:

-Flexural Modulus (psi):

-Flexural Strength (psi):

-Compressive Strength (psi):

-Compressive Modulus (psi):

-Thermal Conductivity:

-Flammability Rating:

-Other:

Electrical Properties: If an electrical application, the requirements for the part in operation, such as:

-Arc Resistance (Minutes)

-Dielectric Strength: (Volts / Mil)

-Insulation Resistance: (Ohm-cm)

-Dissipation Factor @ Frequency

Handling / Processing:

Dispensing Method: How will the material be applied / mixed / poured, etc.

Type of Mold being used: Silicone, Hapflex, epoxy tooling, etc.

Mix Ratio by Weight / Volume: (Could be a restriction if dispensing equipment is going to be used)

Working Life: How long they would like the material to remain pourable after mixing the Part A and Part B together.

Gel Time / Pot Life: This is the point at which the material solidifies.

Mixed Viscosity: Are there any limitations?

Viscosity is drastically effected by temperature so if a viscosity is desired, what temp. will the material be?

Cure Time: The Cure Time indicates the desired length of time for the material to cure.

Cure / Post Cure Temp:

What is the maximum temperature obtainable for curing the product? It may be limited by the oven or part

Is Vacuum available to degas the Mix?

Competitive Situation and Planned Volume

Planned volume requirements:

Time restraints:

If applicable, getting a description of what they would like to improve and why will help us satisfy their application.

Other Information: