

Epic Resins

S7503

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Revised 4/24/2013

Product Datasheet

Description

EPIC S7503 is a two component epoxy paste designed for adhesive applications that require high temperature resistance.

Versions

[X12C4799](#)

Typical Properties

Product Identification: Adhesive	Product Resin: Epoxy
Color, Part A: White	Color, Part B: White
Color, Mixed: White	Shelf Life 25C, Part A: 12 Months
Shelf Life 25C, Part B: 12 Months	

Viscosity

Viscosity, Part A (ASTM D2393): 1,000,000 - 2,000,000 cps @ 25C, 10 RPM	Viscosity, Part B (ASTM D2393): 300,000 - 500,000 cps @ 25C, 10 RPM
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Weight per Gallon

Weight/Gallon A (ASTM D1875): 12.10 - 12.40 lb/gal	Weight/Gallon B (ASTM D1875): 13.80 - 14.20 lb/gal
Weight/Gallon Mixed (ASTM D1875): 12.89 - 13.24 lb/gal	

Processing

Mix Ratio by Weight: 100:100 **Mix Ratio by Volume:** 100:87

Cured Properties

Hardness, Shore D (ASTM D2240): 85 - 90	Hardness Change: 4.5 % After 168 Hours @ 204C
Hardness Change: 2.2 % After 24 Hours @ 204C	Weight Change: -0.67 % After 24 Hours @ 204C
Weight Change: 1.42 % After 168 Hours @ 204C	

Mixing Instructions

Epoxy Mixing Instructions: When mixing two component epoxy resins, the ideal method is to mix by weight using a balance or digital scale. The mixing container should be placed on the scale and set to read zero, the appropriate amount of resin should be weighed followed by the appropriate amount of hardener. The material should then be stirred, ideally with a metal spatula, ensuring that the material is thoroughly mixed to a homogenous state by scraping the sides, bottom and the area where the sides meet the bottom of the container. Failure to do so can result in uncured sections of material or altered properties of the cured material. When mixing epoxy resins it is important to keep in mind that the larger the quantity of material mixed, the shorter the pot life (working time) will be.

Handling and Storage

Please refer to the Material Safety Data Sheet when determining the proper precautions to be used when storing or handling Epic S7503. Most epoxy resins and hardeners are skin and eye irritants. Some epoxy hardeners may actually be corrosive to the skin and eyes. Other health problems may be aggravated by exposure to these materials. Epic Resins recommends that engineering controls be used to minimize employee exposure to this or any other industrial chemical.

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