

# Epic Resins

## S7503

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### Product Datasheet

## Description

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

## Versions

[X12C4799](#)

## Typical Properties

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

## Viscosity

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

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

## Processing

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

## Cured Properties

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

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## 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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