

Technical Data: EPV 9411

Issued: Nov.2022

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Product Description

EPV 9411 is a low viscosity, clear, 100% reactive liquid that can be cured readily by exposure to UV lamp at 395nm wavelengths. This system demonstrates superior uniform deep curing capabilities of up to one inch. After cure, EPV 9411 exhibits excellent mechanical properties, high stability in outdoor environment and high temperature.

Features & Benefits

- Excellent mechanical properties
- Unique toughening system
- Deep section UV cure
- Fast cure
- Low viscosity
- High temperature stability

Applications

Suitable for potting, coating plastics and metal surface as protection against harsh climatic environments.

Typical Uncured Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Base Resin	Epoxy Resin Mixture (Single component)
Appearance/Color	Yellowish liquid
Viscosity@25°C, mPa*s	500
Density@ 25°C, g/cm³	1.15
Heat Distortion Point, °C	110
Tensile Strength, MPa	33
Young modulus, GPa	3.5
Tensile Elongation, %	0.5

Flexural Strength, MPa	121
Flexural Modulus, MPa	2961
Hardness, Shore D	80-85
Typical cure @ 395nm1 / 0.4W/cm2 thickness approx. 10mm.	3 min
Typical cure @ 395nm1 /0.4 W/cm2 thickness approx. 1mm.	8 sec

Instructions for use: Cure speed depends on light source configuration spectral distribution and UV intensity. Full cure must be determined empirically (by measurement of properties such as hardness).

Storage and Handling The shelf life of the EPV 9411 is 6 months at 15-25°C, when stored in the original containers. For the best results, store in tightly closed original containers. Note that the product must not be exposed to light.

Packaging Packaging sizes are available from 1L up to 5L pails.

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