

Technical Data: EP 502 CL/ Hardeners EPC 800/ EPC 304NP2

Issued: July 2020

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Product Description EP 502CL/EPC 800-304NP2 is a low viscosity, unfilled, RT curing epoxy compound for general- purpose casting, potting and encapsulating.

Features & Benefits

- Low viscosity
- High penetration
- Suitable for manual and automatic mixing
- High electrical insulation

Applications Potting and Encapsulation of electrical and electronic devices and components.

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.

Resin EP 502 CL	
Appearance/Color	Clear
Viscosity@ 25°C, mPa*s	2500-4000
Density@ 25°C, g/cm³	1.0-1.2

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Processing	Resin EP 502 CL	Hardeners	
		EPC 800	EPC 304NP2
	Mix Ratio, w/w	100:50	100:61
	Gel Time @ 25°C, (100g), min	30-50	150-250
	Typical Curing Schedule	24hr/RT	24hr/RT + 6hr/80°C
Cured Properties*			
	Hardness, Shore D	70-80	70-80
	Tensile Strength, ASTM-D-638, MPa	36	24
	Tensile Elongation, ASTM-D-638, %	3	5
	Flexural Strength, ASTM-D-790, MPa	56	30
	Flexural Modulus, ASTM-D-790, MPa	1970	900

*Note: Both combinations are RT cured.

Curing acceleration is achieved by heating at 80 Deg. after RT initial cure

Storage	<p>The shelf life of the EP 520CL is 12 months at 20-35°C.</p> <p>For the best results, store in tightly closed original containers.</p> <p>Certain resins and hardeners are susceptible to crystallization. If crystallization occurs, warm the container to 50-60°C until the crystals have dissolved.</p> <p>Stir and allow content to cool to room temperature before use.</p>
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Packaging	Packaging sizes are available from 1L up to 18L pails.
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Limitation of Liability	<p>Except where prohibited by law, Polymer-G and seller will not be liable for any loss or damage arising from the Polymer-G product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.</p>
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