

Technical Data:

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**Resin EP 333LV/ Hardeners EPC 69-74 /
EPC 520/ EPC 9**

Product Description

EP 333LV is a low viscosity self-extinguishing potting and encapsulating flame retardant epoxy compound. It displays high physical and electrical properties.

EP 333LV can be applied with various curing agents depending on customer requests.

Features & Benefits

- Low viscosity
- Flexible pot life
- Suitable for manual and automatic mixing
- Self-extinguishing UL-94 V-0 certified
- RT curing
- Excellent electrical properties

Applications

High voltage/High power electrical and electronic potting and encapsulation

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 333LV	
Appearance/Color	Black/Red/Gray
Viscosity@25°C, mPa*s	2500-3500
Density@ 25°C, g/cm³	1.50-1.54
Equivalent Weight (calc.), g/eq	435-450

Instructions for use

Stir compound EP 333LV thoroughly in the original container prior to use

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Processing	Resin EP 333LV	Hardeners, EPC		
		69/74	520	9
	Mix Ratio, w/w	100:12	100:12	100:8
	Mix Viscosity @ 25°C, mPa*s	2000-3000	2000-3000	2000-3000
	Pot life @ 25°C, min	20-30	40-70	10-15
	Gel Time @ 25°C, (100g), min	35-45	80-110	15-20
	Typical Curing Schedule	24hr/RT	24hr/RT + 4hr/80°C	24hr/RT
Cured	Hardness, Shore D	80-85	85-90	85-90
Properties*	Tensile Strength, MPa	25-35	25-35	25-35
	Tensile Elongation, %	0.8-1.5	0.8-1.5	0.8-1.5
	Flexural Strength, MPa	40-80	40-80	40-80
	Flexural Module, MPa	2500-4000	2500-4000	2500-4000
	Service temperature, °C	-40 to 90	-40 to 100	-40 to 90
	Thermal Conductivity, W/m-K	0.38-0.42		
	Flammability Rating	UL 94 -V-0		

*) Results depend on time after curing.
High results are obtained after 7 days.

Storage Store products at 20-35°C for maximum shelf life.

Packaging Packaging sizes are available from 1L up to 18L pails.

Shelf Life These products have a shelf life of 12 months in their unopened original bulk containers.

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