POLYMER|G

Technical Data:
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EP 168
Epoxy Compound for Potting and sealing

Product Description

EP 168 is a two-component, RT cured epoxy compound for potting, impregnation and sealing, exhibiting high mechanical properties together with high chemical resistance and adhesion to various materials.

Features & Benefits

- Good mechanical properties
- High chemical resistance
- Long pot life
- High adhesion
- VOC free

Applications

Potting, casting and sealing of electrical and electronic devices, filters, membranes etc.

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 (A)	**Hardener (B)**
Color/appearance	colorless	amber
Viscosity @25ºC, mPa*s,	12000-16000	25000-35000
Specific weight @25ºC, g/cm^3	1.14	1.0

Instructions for use:

Weigh required amount of Part A and Part B into a clean container in the recommended ratio. Blend thoroughly being careful to scrape sides and bottom of the container for 3-4 minutes to ensure uniform mixture.
To produce a void-free casting the mixture should be deairing at 2-5 mmHg for 5-8 minutes to remove trapped air.

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Processing	**Mixing Ratio A:B (by volume)**	100:100
	Mixing Ratio A:B (by weight)	100:88
	Mix Viscosity@ 25°C**,** mPa*s	25000-35000
	Gel Time @ 25°C, (100g), min	80-140

Cured Properties[*)]	**Typical Curing Schedule**	24hr/RT
	Hardness, Shore D	70-85
	Tensile Strength, kg/cm^2	400-550
	Elongation, %	3-6
	Flexural Strength, kg/cm^2	600-1100
	Flexural Modulus, kg/cm^2	15000-25000
	HDT, °C	50-60
	Operating temperature, °C	-55 ÷ +90

[*)] Measured after 7 days at RT

Storage and Handling

The shelf life of the EP 168 is 12 months at 20-35°C.
For the best results, store in tightly closed original containers.
Certain resins and hardeners are susceptible to crystallization. If crystallization occurs, warm the container to 50-60°C until the crystals have dissolved.
Stir and allow content to cool to room temperature before use.

Packaging

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

Limitation of Liability

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.

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