

Technical Data:

Issued: Nov.2006

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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
- High adhesion
- Long pot life
- 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 @25°C, mPa*s,	12000-16000	30000-50000
Specific weight @25°C, 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 weight)
		100:100
	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/cm²	400-550
	Elongation, %	3-6
	Flexural Strength, kg/cm²	600-1100
	Flexural Modulus, kg/cm²	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.

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