

## Flame retardant Flexible Potting Compound

**EPOXONIC® 278** is a flame retardant, highly flexible potting compound for different applications based on epoxy resin.

It is especially suited for low stress potting of pressure sensitive electronic components.

### Properties

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• Colour	black	
• Shore hardness at RT	A 70	
• Density at 21°C (cured material)	approx. 1.6 gms/cm <sup>3</sup>	
• Glass transition temperature (TMA)	approx. -35°C	
• E-modulus at 23°C	10MPa	DIN EN ISO 527
• Tensile strength at 23°C	2 MPa	DIN EN ISO 527
• Elongation at break	approx. 36 %	DIN EN ISO 527
• Coefficient of thermal expansion, $\alpha_{(30 - 110^\circ\text{C})}$	~ 130 x 10 <sup>-6</sup> /K	TMA (50 – 130 °C)
• Thermal conductivity	~ 1.0 W/mK	
• Flame-resistance	UL94 V0	(not listed)

### Processing

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• Mix ratio (Part A : Part B)	100 : 75 parts by weight
• Viscosity at 25 °C (Epprecht cone/plate viscometer)	35 Pas
• Pot life at 23°C	> 20 hours
• Method of application	e.g. dispenser
• Recommended cure schedule	2 hours at 120°C (circulating oven) or 8 hours at 100°C

## Packaging

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**EPOXONIC® 278** Parts A and Part B are delivered in metal cans. Other packaging options are available upon request.

## Storage

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The shelf life of **EPOXONIC® 278** Part A and part B is 12 months at room temperature when stored in tightly closed, original containers. Part A and part B are to be stirred very well before use.

## Quality Assurance

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If required **EPOXONIC® 278** will be supplied with a Certificate of Analysis.

## Health and Safety

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As with all epoxy materials, this product may cause skin irritation. Recommended industrial hygiene procedures should always be followed when handling this product. Avoid skin contact. If contact does occur wash area immediately with soap and water. Please refer to Material Safety Data Sheet for details.

## Disclaimer:

All information herein is based on the present state of knowledge and believed to be reliable. Any suggestions or recommendations are made without liability on our part since we shall have no control over the use of our product. Buyers and users should make their own assessment of this product under their own conditions and for their own requirements.