

Technical Data:

Issued: July 2009
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EP 160DV

Two-Component Flexible Epoxy Compound

Product Description

EP 160DV is a two-component flexible epoxy compound for sealing and encapsulating. Due to its high flexibility and adhesion strength to metals and ceramics, the compound provides excellent protection from moisture penetration in a wide temperature range.

Features & Benefits

- High thermal shock resistivity
- High flexibility at low temperature
- Very low moisture permeation
- Exceptional water proof
- Excellent adhesion properties
- Excellent electrical properties

Applications

Sealing and encapsulation of electronic devices and PCB, bonding of ceramics and metals in wide temperature range to protect from moisture penetration.

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.

Components	EP 160DV (A) EPC 160DV (B)	Epoxy Resin Amine terminated rubber
Appearance/Color	EP 160DV (A) EPC 160DV (B)	gray or black brown
Viscosity @ 25°C, mPa*s per ASTM-D-2196	EP 160DV (A) EPC 160DV (B)	paste 250,000-350,000
Density @ 25°C, g/cm³	EP 160DV (A) EPC 160DV (B)	1.14 1.12

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Processing data	Mix Ratio , by volume	1:1
	Initial Mix Viscosity @ 25°C , mPa*s	Non-slumping paste
	Gel Time @ 25°C , 50g, hr	3-4
	Initial Curing @ 25°C , hr	24*
	Final Curing @ 23°C , days	>7
Typical Cured Properties	Hardness , Shore D, ASTM - D -2240	40-60
	Lap Shear Strength @ 25°C , MPa	
	Etched Al	8-10
	Service Temperature	-50°C to 130°C

*) Curing can be accelerated by heating at 60-80°C

Storage Store products at 8-35°C for maximum shelf life.

Packaging 1:1 300ml Duo-pack container.

Shelf Life The product has a shelf- life of 12 months in original unopened Duo-Pak containers.

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