

Technical Data:

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EP 1240 DV

Structural General Purpose Epoxy Adhesive

Product Description

EP 1240DV is a two-component general purpose epoxy adhesive, displaying excellent adhesion to metals and ceramics. EP 1240DV demonstrates good chemical resistance.

Features & Benefits

- Easy mix 1:1 ratio by volume
- Long open time
- Good adhesion to metals and ceramics
- High shear strength

Applications

Bonding and sealing. Good retention of strength after environmental aging.

Typical Uncured Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Base Resins	Base (A) Hardener (B)	EP 1240DV Epoxy Resins EPC 1240 DV Polyamide mixture
Appearance/Color	Base (A) Hardener (B)	Transparent Grey
Viscosity per ASTM-D2196-15 @ 25°C, mPa*s	Base (A) Hardener (B)	230000 100000
Density, g/cm³ @ 25°C	Base (A) Hardener (B)	1.20 1.25
Mix Ratio (A:B), by vol.	1:1	
Mix Viscosity @ 25°C, mPa*s	170000	

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Typical Cured Properties

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Hardness, Shore D, ASTM - D-2240	83
Gel Time @ 25°C, 10mm layer, min	130
Curing @ 25°C, hours	24
Lap Shear Strength, Al, ASTM-D-1002, MPa	19
Service Temperature	-40°C to 90°C

Storage and Handling

Store products at 18-35°C for maximum shelf life. 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 to 25L containers

Shelf Life

These products have a shelf life of 12 months in unopened original containers.

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.