

**Technical Data:**

Issued: Sep.2006

Revision 3 October 2021, Page: 1

**EP 1110DV**

Two-part Fast Cure Semi-flexible Epoxy Adhesive

**Product Description**

EP 1110DV is a two component, fast curing, semi-flexible epoxy adhesive displaying excellent adhesion to metals and ceramics.

EP 1110 DV has thermal shock resistance over a medium range of temperatures and its flexibility avoids any deformation between the adhesive articles.

**Features & Benefits**

- Fast curing
- High adhesion to metals
- Semi-flexible
- Easy mix 1:1 ratio

**Applications**

Fast curing epoxy adhesive for bonding and sealing.

**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.

<b>Base Resins</b>	Base (A) Hardener (B)	Epoxy Resin Polyamide Resins
<b>Appearance/Color</b>	Base (A) Hardener (B)	translucent amber
<b>Viscosity @ 25°C, mPa*s, ASTM-D-2393</b>	Base (A) Hardener (B)	50000-70000 70000-95000
<b>Density, g/cm<sup>3</sup> @ 25°C</b>	Base (A) Hardener (B)	1.16 ± 0.05 1.05 ± 0.03
<b>Mix Ratio (A:B), by vol.</b>	1:1	
<b>Mix Viscosity, mPa*s</b>	60000-80000	

**Technical Data:**

Issued: Sep.2006

Revision 3 October 2021, Page: 2

**EP 1110DV**

Two-part Fast Cure Semi-flexible Epoxy Adhesive

**Typical Cured Properties**

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

<b>Color</b>	amber
<b>Gel Time</b> (2-3mm layer @ 25°C), min	10-15
<b>Curing</b> (2-3mm layer @ 25°C), hr	3-4
<b>Final Curing</b> @ 23°C, hr	24
<b>Hardness</b> , Shore D	60-80
<b>Lap Shear Strength</b> , etched Al, MPa	15-21
<b>Operating Temperature</b>	-40°C to 110°C

**Storage**

Store products at 18-30°C for maximum shelf life.

**Packaging**

1:1 50cc dual cartridges

**Shelf Life**

These products have a shelf life of 12 months in unopened dual cartridges

**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.