

Technical Data:

Issued: Sep.2006

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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.

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

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