

Technical Data:

Issued: Nov. 2008

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EP 1403DV

Two-component Clear Epoxy Adhesive with long pot life

Product Description

EP 1403DV is unfilled two-component mid viscosity epoxy adhesive, displaying excellent mechanical strength and adhesion to metals and ceramics. EP 1403DV demonstrates long pot life

Features & Benefits

- Long pot life
- Clear
- High shear and tensile strength
- High adhesion
- Easy mix 2:1 ratio by volume
- Excellent electrical properties

Applications

Bonding, potting and sealing metals, plastics and ceramics. Suitable for electronics and filtration assembling.

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 EP 1403DV (A) Hardener EPC 304IP (B)	Epoxy Resin Amines
Appearance/Color	Base (A) Hardener (B)	Clear Clear
Viscosity per ASTM-D-2393 @ 25°C, mPa*s	Base (A) Hardener (B)	50000-75000 40-50
Density, g/cm³ @ 25°C	Base (A) Hardener (B)	1.16 1.0
Mix Ratio (A:B), by vol.	2:1	
Mixed Viscosity per ASTM-D-2393 @ 25°C, mPa*s	3500-4500	

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Processing	Pot Life @ 25°C, 100g, min	60-90
	Gel time @ 25°C, 100g, hr	4-6
	Final Curing @ 25°C, days	>7
Typical Cured Properties	Hardness , Shore D, ASTM - D-2240	75-85
	Lap Shear Strength , ASTM-D-1002, Etched Aluminum, MPa	12-20
	Service Temperature	-40°C to 90°C

Storage Store products at 18-35°C for maximum shelf life.

Packaging 2:1 50ml duo-pack cartridges

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

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