

Technical Data:

Issued: January 2020
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EP 1900 DV GRAY

Flexible adhesive with high thermal shock resistivity

Product Description

EP 1900 DV GRAY is a two-component flexible epoxy adhesive displaying excellent adhesion to metals, ceramics and plastic materials. EP 1900 DV GRAY has good thermal shock resistance and its flexibility prevents deformation between the bonded substrates

Features & Benefits

- Easy mix 1:1 ratio by volume
- Flexible
- Very low moisture permeability
- High adhesion properties
- Excellent electrical properties

Applications

Bonding and sealing metals, plastics, rubbers and masonry products. Good retention of strength after environmental aging. Suitable for medical devices, filtration and electronics.

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 Resin
Appearance/Color	Base (A) Hardener (B)	Off white/Beige Gray
Viscosity per ASTM-D-2196-15 @ 25°C, mPa*s	Base (A) Hardener (B)	60,000-75,000 100,000-120,000
Density, g/cm³ @ 25°C	Base (A) Hardener (B)	1.35 ± 0.05 1.16 ± 0.05
Mix Ratio (A:B), by vol. Mix Ratio (A:B), by weight		1:1 90:100
Mix Viscosity @ 25°C		90,000-100,000

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Color	Light Gray
Gel Time (100 g @ 25°C), min	80-90
Hardening (2mm layer @ 25°C), hr	3-4
Curing @ 23°C, hr	24
Hardness after 24hr@23°C, Shore D	58-62
-#- after 7 days, Shore D	72-74
Lap Shear Strength , Etched Al, MPa	10-13
Tensile Elongation), %	35-43
Service Temperature °C	-40-90

Storage

For maximum shelf life, store product at 8-26°C.
During shipment of up to 60 days, the product can withstand limited exposure of up to 2 hours a day of 40-60°C

Packaging

1:1 50 ml and 400 ml duo-pack cartridges

Shelf Life

The product has a shelf life of 9 months in the unopened Duo-Pak 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.