

Technical Data:

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EP 1946

Two part Epoxy Adhesive Compound

Product Description

EP 1946 is a two-component Non sag epoxy adhesive, UL compliant, offering outstanding shear adhesion.

Features & Benefits

- High shear strength
- RT cured
- UL HB Compliant
- Non sag

Applications

Multipurpose structural adhesive.

Typical Uncured 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	EP 1946 (A) EPC 1946 (B)	Epoxy Hardener
Appearance/Color	A B	White Amber to Light Green
Viscosity, mPa*s per ASTM-D2196-5	A@ 25°C B@ 25°C	150000-260000 14000-20000
Mix Ratio A:B, (w/w) Mix Ratio A:B, (vol)		100:40 100:50
Mix Viscosity, mPa*s per ASTM-D2196-5		75000-90000
Work Life, 20g @ 25°C, min		60-100
Gel Time, 100g @ 25°C, min		60-80

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Typical Cured Properties

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Initial Curing @ 25°C, hr	24
Final Curing @ 25°C, days	7
Hardness, ASTM-D-2240, Shore D *	70-90
Working Temperature @ °C	-40/+120
Lap Shear Strength @ 25°C, etched Al, psi *	3500-4000
Lap Shear Strength @ 25°C, etched polycarbonate, psi	360-400

*) The data obtained at curing 24hr@25°C + 4hr@80°C

Storage and Handling

The shelf life of the EP 1946 is 24 months at 20-35°C.
For the best results, store in tightly closed original containers.

Packaging

Packaging sizes are available from 1L up to 18L pails.

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.