

EPICLON[®] 1121N-80M

Brominated epoxy resin

General description

EPICLON[®] 1121N-80M is 80% solid in methyl ethyl ketone solutions of high purity brominated epoxy resin. It is suitable for FR-4 type rigid board and multilayer electrical laminates.

Typical properties*

Appearance	Liquid
Color, Gardner	1
Epoxy equivalent**, g/eq	495
Viscosity, mPa.s	2000
Nonvolatile content, wt %	80.0
Hydrolyzable Cl content**, wt ppm	100
Bromine content, wt %	21.5

* Typical properties; not to be construed as specifications.

** As solid

Typical formulation

	Parts by weight
EPICLON [®] 1121N-80M	112.5
EPICLON [®] N-690-75M*	13.3
Dicyandiamide	2.1
2-ethyl-4-methylimidazole	0.1
Dimethylformamide	20.0
Methyl glycol	20.0

* Ortho cresol novolac epoxy resin, 75% solid

Laminate properties

Tg by DMA, °C	145
1 oz Copper peel strength, kN/m	2.1
Flammability, UL-94	V-0

*7628 glass cloth 8 plies, curing schedule 170°C-1hr, 2.9MPa

Storage

EPICLON[®] 1121N-80M has a shelf-life of at least 6 month if it is stored in a cool, dry area.