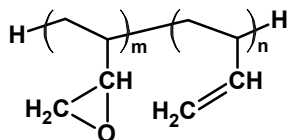


Technical Data Sheet: NISSO-PB JP Series

Epoxidized Polybutadiene



JP Series - Grade List

Grade	Mn (g/mol)	Viscosity (Poise at 45°C)	Terminal structure	1,2-Vinyl (%)	Tg (°C)	Epoxy eq. weight (g/eq)
JP-100	1,300	220	H	> 70	-16	205
JP-200	2,200	1,000	H	> 70	-7	220

Description

The grades of JP Series are epoxidized polybutadienes, formed by introducing an epoxy group through oxidation of the vinyl group of 1,2-polybutadiene. They are used as copolymer components of epoxy resin compositions. Because the JP Series has only partial epoxy introduction, it retains the plasticity and electrical properties derived from its 1,2-vinyl structure, which produces a setting material with characteristics different from those of general-purpose epoxy resins.

Properties

- Highly flexible structure
- Hydrophobicity
- Low dielectric constant
- Good chemical resistance
- Reactive epoxy groups
- Excellent curing with highly-active vinyl groups

Application

Acid acceptors, Resin modifiers, adhesives, paints, encapsulants, epoxy curing

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