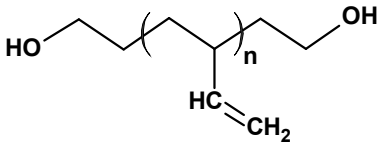
NISSO-PB
Liquid Polybutadiene

Technical Data Sheet: NISSO-PB G Series

Hydroxyl Group-Terminated Polybutadiene



G Series - Grade List

Grade	Mn (g/mol)	Viscosity (Poise at 45°C)	Terminal structure	Hydroxyl value (KOH mg/g)	1,2-Vinyl (%)	Tg (°C)	Specific gravity (25°C/4°C)
G-1000	1,400	75	OH	72	85	-25	0.88
G-2000	1,900	140	OH	52	88	-19	0.88
G-3000	3,000	310	OH	32	92	-15	0.88

Description

The G Series is a both-end hydroxyl group-terminated polybutadiene. As with the B Series, the structure of the main chain is composed predominately of 1,2-vinyl structure, but because it has hydroxyl groups at both ends, it can be developed for different uses. With the hydroxyl groups as the active sites, the G Series can be used as a diol component of polyester, polyurethane, and other polymers.

Properties

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

Application

Resin modifiers, urethane resins(paints, adhesives, coating agents), deposition primers, electrical insulating agents

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