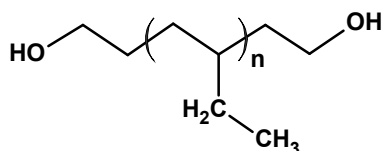


Technical Data Sheet: NISSO-PB GI Series

Hydrogenated Hydroxyl Group-Terminated Polybutadiene



GI 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)
GI-1000	1,500	105	OH	68	< 7	-44	0.88
GI-2000	2,000	165	OH	48	< 7	-42	0.88
GI-3000	3,100	315	OH	28	< 7	-37	0.88

Description

The grades of GI Series are hydrogenated homopolymers of butadiene derived from the G Series, thus they are both-end hydroxyl group-terminated and suitable for a wide range of uses. Due to the saturation of 1,2-vinyl group these polybutadienes possess excellent long-term chemical stability in terms of US and weather resistance.

Properties

Highly flexible structure
Hydrophobicity
Low dielectric constant
Good chemical resistance
Reactive hydroxyl groups
Long-term stability

Application

Resin modifiers, urethane resins (paints, adhesives, coating agents), electrical insulating materials, TPU elastomers

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