

CRAY VALLEY

Technical Data Sheet

Krasol® LBH 5000M

Krasol® LBH 5000M CF

Hydroxyl Terminated Polybutadiene Monol

DESCRIPTION

Krasol® LBH 5000M is a linear polybutadiene polymer with a single hydroxyl end group. LBH 5000M is a liquid at ambient temperature. The product is miscible in non-polar organic liquids, oils, and bitumens. It is particularly useful as the polyol component in polyurethane systems.

PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

Excellent chemical resistance
Electrical insulative properties
Good low temperature properties
Single hydroxyl functionality
Narrow molecular weight distribution
Hydrolytically stable

SUGGESTED APPLICATIONS

Chemical intermediate
Oil Additive
Enhancer for polyurethanes
Polymer modification

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Property	Test Method	Value	Unit
Molecular Weight (Mn)	GPC	4,700	g/mol
1,2 Vinyl	Proton NMR	65	wt. %
Viscosity @ 25°C	Brookfield	25,000	cps
Tg	DSC	-45	°C
Specific Gravity @ 25°C	ASTM D891	0.89	-
-OH (Groups/Chain)	FT-NIR	0.99	-

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