

CRAY VALLEY

Technical Data Sheet

KRASOL® LBH P 3000

Hydroxyl Terminated Polybutadiene

DESCRIPTION

Krasol® LBH P 3000 is a linear, low molecular weight, polybutadiene polymer. The polymer is terminated with primary hydroxyl groups with a hydroxyl functionality of 1.95. The resin is liquid at room temperature and is miscible in non-polar organic liquids, oils, and bitumens.

PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

Good electrical insulative properties
Good low temperature flexibility
Narrow molecular weight distribution
Hydrolytically stable
Forms stable prepolymers

SUGGESTED APPLICATIONS

Prepolymers
Thermoplastic elastomers
Adhesives and sealants
Coatings
Electrical potting and encapsulation
Polymer modification
Polyurethanes

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

| Property | Test Method | Value | Unit |
|-------------------------|-------------|--------|-------|
| Molecular Weight (Mn) | GPC | 3,000 | g/mol |
| 1,2 Vinyl | Proton NMR | 65 | wt. % |
| Viscosity @ 25°C | Brookfield | 20,000 | cps |
| Tg | DSC | -35 | °C |
| Specific Gravity @ 25°C | ASTM D891 | 0.89 | - |
| -OH (Groups/Chain) | FT-NIR | 1.9 | - |

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