

## Technical Data Sheet: KRASOL<sup>®</sup> LBH-P 3000

### KRASOL<sup>®</sup> HYDROXYL-TERMINATED POLYBUTADIENE

#### DESCRIPTION

Krasol<sup>®</sup> LBH-P 3000 is a linear polybutadiene polymer with primary hydroxyl groups. Due to a high concentration of olefinic double bonds and low molecular weight, Krasol LBH-P 3000 is a liquid at ambient temperature. The product is immiscible in water and alcohols; however, it is miscible in non-polar organic liquids, oils, and bitumens. Krasol LBH-P 3000 reacts through the double bonds along the polymer chain and through the terminal hydroxyl groups. It is particularly useful as the polyol component in polyurethane systems.

#### PRODUCT HIGHLIGHTS

- Excellent chemical resistance
- Good electrical characteristics
- Good low temperature properties
- Hydrolysis resistance
- Hydroxyl functionality
- Narrow molecular weight distribution

#### SUGGESTED APPLICATIONS

- Adhesives
- Binders
- Cast polymers
- Coatings
- Electronics, potting compounds
- Encapsulants
- Polymer modification
- Sealants
- Polyurethanes, foams
- Polyurethanes, coatings
- Polyurethanes, adhesives
- Polyurethanes, sealants
- Polyurethanes, elastomers

#### KRASOL<sup>®</sup> LBH-P 3000 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

1,2-(vinyl), wt.%	65
1,4-cis, wt.%	12.5
1,4-trans, wt.%	22.5
Density, g/cm <sup>3</sup>	0.9@20C
Hydroxyl value, meq/g	0.64
Mn, g/mol.	3200
Non-Volatile Material (Poly bd) (%)	99.5
Polydispersity	1.35
Viscosity @25C, PA.S	20
Water, wt.%	0.04

#### Regulatory Notice

Krasol<sup>®</sup> LBH-P 3000 is regulated by the United States Department of Commerce and may not be exported without license from that organization.