

## Technical data sheet

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### KRASOL® LBH-P 3000

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June 2006

#### DESCRIPTION

LOW MOLECULAR WEIGHT HYDROXYL TERMINATED POLYBUTADIENE RESIN

#### INTRODUCTION

Krasol® LBH-P 3000 is a liquid low molecular weight polybutadiene with terminal primary hydroxyl groups. Thanks to the specific anionic polymerization process, it is linear and it has a narrow molecular weight distribution. Its average functionality is 1,9.

Krasol® LBH-P 3000 is not miscible in water and alcohols. However, it is miscible in non-polar organic liquids, oils and bitumens.

Krasol® LBH-P 3000 can react through the double bonds along the polymer chain and through the terminal hydroxyl groups. It is particularly useful as polyol component in waterproofing polyurethane systems.

#### PRODUCT HIGHLIGHTS

Reactive primary hydroxyl groups  
1,9 hydroxyl functionality  
Low color, high clarity  
Hydrophobicity  
Low temperature flexibility  
Leads to thermoplastic polyurethane

#### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight Mn, g/mol	3000
Hydroxyl Value, mg KOH/g	37
Polydispersity, $M_w/M_n$	Max 1.25
Brookfield viscosity @ 25°C, Pa.s	20
Density @ 20°C, g/cm <sup>3</sup>	0.9
1,2 – vinyl, %wt	65

#### SALES SPECIFICATIONS

Brookfield viscosity @25°C :	12000 – 30000 mPa.s
Hydroxyl number :	29,2 – 44,9 mg KOH/g
Water content :	Max 0.04%
Non Volatile Content :	Mini 99.5%

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#### PACKAGING

Krasol® LBH-P 3000 can be packed as follows :

- 180 kg drums

#### SHELF LIFE STABILITY

Providing adequate storage conditions, Krasol® LBH-P 3000 can be kept at least one year from the date of purchase if the product is stored in the original, unopened container.

#### STORAGE AND HANDLING

Keep only in the original container at a temperature not exceeding 35°C.

Keep containers away from sun.

Keep containers in a dry area and tightly closed.

Use only in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment.

#### HEALTH AND SAFETY

Full health and safety data sheets in accordance with EEC regulations are available on our web site ([www.crayvalley.com](http://www.crayvalley.com))

The information given herein must be read in conjunction with the relevant Health and Safety Data.

Starting point formulations and suggestions for use are given for guidance and are made without warranty. Nor should it be construed as permission or inducement to practice any invention by patent without authority from the owner thereof.