
Technical Data Sheet: KRASOL® LBH 2040

KRASOL® HYDROXYL TERMINATED POLYBUTADIENE

DESCRIPTION

Krasol® LBH 2040 has four hydroxyl groups per chain. The viscosity of the polymer at room temperature is relatively high, but it drops quickly with increasing temperature. In the preparation of polyurethane elastomers, increasing hydroxyl functionality accelerates the crosslinking reaction, increases elastomer hardness, decreases elongation at break, improves compression-set characteristics and increases softening temperature. The differences can be attributed to an increase in the crosslink density of polyurethane networks.

PRODUCT HIGHLIGHTS

Excellent aqueous acid/base resistance
Good electrical characteristics
Good low temperature properties

PERFORMANCE PROPERTIES

Acid and Base Resistance
Adhesion
Asphalt Miscibility
Electrical Insulative Properties
High Urethane Strength
Low Temperature Flexibility
Water Resistance

SUGGESTED APPLICATIONS

Adhesives; sealants
Binding agent for composites
Castable urethane elastomers
Elastomers
Electronics, potting compounds
Polymer modification
Polyurethanes

KRASOL® LBH 2040 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES	
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Avg. OH functionality	4.0
Mn, g/mol.	2249
Mw/Mn	1.2
OH content, mmol/g	1.791
Tg, °C	-33
Viscosity, cps @25 °C	61,850

Regulatory Notice

Krasol® LBH 2040 is regulated by the United States Department of Commerce and may not be exported without license from that organization.
