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Technical Data Sheet: KRASOL® HLBH-P 3000

HYDROGENATED HYDROXYL-TERMINATED POLYOLEFIN

DESCRIPTION

Krasol® HLBH-P 3000 is an odorless, water clear, saturated aliphatic liquid polyol. The saturated nature of the resin provides light- and weather-stability, enabling formulators to develop polyurethane coatings that will not yellow or lose their critical mechanical properties, such as flexibility, adhesion, elongation, and strength. In addition, Krasol HLBH-P 3000 provides improved heat resistance and adhesion to difficult substrates (i.e., polyolefins) compared to standard hydroxyl-terminated polybutadiene resins.

PRODUCT HIGHLIGHTS

Excellent thermal stability
Good weatherability
Hydrophobicity
Low color - high clarity
Low glass transition temperature
Miscibility with asphalt
Reactive hyroxyl groups

PERFORMANCE PROPERTIES

Acid and Base Resistance
Asphalt Miscibility
Electrical Insulative Properties
Good Adhesion
Low Temperature Flexibility

SUGGESTED APPLICATIONS

Adhesives, coatings & sealants
Electronics, encapsulants
Electronics, potting compounds
Polymer modification
Prepolymers - Two-component
Thermoplastic polyurethanes (TPU)
Polyurethanes

KRASOL® HLBH-P 3000

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Diol purity, %	>97
Hydrogenation extent, %	>98
Hydroxyl Functionality	1.9
Hydroxyl number, mg KOH/g	31
Hydroxyl value, meq/g	0.56
Mn, g/mol.	3,100
Tg, °C	-55
Viscosity, cps @ 50°C	7,000
Viscosity, cps @ 25°C	65,000
Water, wt.%	0.03

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