

# CRAY VALLEY

Technical Data Sheet

## KRASOL® HLBH 5000M

## KRASOL® HLBH 5000M CF

### Hydrogenated Hydroxyl Terminated Aliphatic Monol

#### DESCRIPTION

Krasol® HLBH 5000M is clear, saturated, aliphatic liquid polyol. The resin provides UV stability, enabling formulators to modify polyurethane coatings that will not yellow or lose their critical mechanical properties. In addition, Krasol® HLBH 5000M provides improved heat resistance and adhesion to difficult substrates (i.e. polyolefins) compared to standard hydroxyl-terminated polybutadiene resins.

#### PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

Excellent chemical resistance  
Electrical insulative properties  
Good low temperature properties  
Single hydroxyl functionality  
Narrow molecular weight distribution  
Hydrolytically stable

#### SUGGESTED APPLICATIONS

Chemical intermediate  
Oil additive  
Enhancer for polyurethanes  
Polymer modification

#### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

| Property                | Test Method            | Value  | Unit  |
|-------------------------|------------------------|--------|-------|
| Molecular Weight (Mn)   | GPC                    | 4,700  | g/mol |
| Viscosity @ 25°C        | Brookfield             | 65,000 | cps   |
| Tg                      | DSC                    | -57    | °C    |
| Specific Gravity @ 25°C | ASTM D891              | 0.88   | -     |
| -OH (Groups/Chain)      | FT-NIR                 | 0.92   | -     |
| Water Content           | TM8003                 | <0.05  | wt. % |
| Hydrogenation Extent    | Iodine Value Titration | >96    | %     |

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