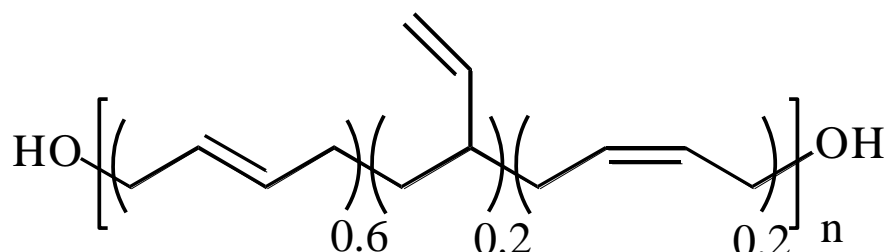


Technical Data Sheet: Poly bd[®] R20LM

LOW MOLECULAR WEIGHT HYDROXYL TERMINATED POLYBUTADIENE RESIN



DESCRIPTION

Poly bd[®] R-20LM resin is a liquid hydroxyl terminated polymer of butadiene. Poly bd[®] resins have primary allylic alcohol groups that exhibit high reactivity in either condensation polymerization reactions or the preparation of derivatives.

PRODUCT HIGHLIGHTS

- Electrical insulation properties
- High solids loading
- Hydrolytically stable
- Low glass transition temperature
- Low moisture permeability
- Low temperature flexibility
- Resistance to aqueous acids and bases

PERFORMANCE PROPERTIES

- High Clarity
- Hydrophobicity
- Low Color
- Reactive Hydroxyl Groups

SUGGESTED APPLICATIONS

- Adhesives
- Coatings, waterproof
- Electronics, potting compounds
- Encapsulants
- Sealants
- Polymer modification
- Polyurethanes

Poly bd[®] R20LM

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Hydroxyl Value, meq/g	1.8
Iodine Number, g/100 g	420
Molecular Weight, g/mol.	1300
Non-Volatile Material (Poly bd)(%)	99.9
Polydispersity	2
Solubility in g/100 ml. Solvent @ 23 °C	
Acetone	<10 ⁽¹⁾
Aromatic 100	>50
Chloroform	>50
Ethyl Acetate	>50
Hexane	<10 ⁽¹⁾
Isopropanol	<10 ⁽¹⁾
Methyl Ethyl Ketone	>50
Mineral Spirits	>50
Toluene	>50
Tg, °C	-70
Viscosity, @ 30 °C, cps	1500

(1) Cloudy: 5% solution also cloudy

Regulatory Notice

Poly bd[®] R20LM is regulated by the United States Department of Commerce and may not be exported without license from that organization.