

## Technical Data Sheet

# Poly bd<sup>®</sup> R20 LMA

## Low Molecular Weight Hydroxyl Terminated Polybutadiene Resin

### DESCRIPTION:

Poly bd<sup>®</sup> R20 LMA resin is a low molecular weight, liquid hydroxyl terminated polymer of butadiene. Poly bd<sup>®</sup> resins have primary, predominantly allylic hydroxy groups that exhibit high reactivity in chemical reactions for the preparation of derivatives.

### PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES:

- Low viscosity
- Electrical insulative properties
- High solids loading
- Hydrolytically stable
- Good water resistance
- Low moisture permeability
- Resistance to aqueous acids and bases
- Low temperature flexibility

### SUGGESTED APPLICATIONS:

- Adhesives and sealants
- Coatings
- Electrical potting and encapsulation
- Polymer modification
- Polyurethanes

### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Property	Test Method	Value	Unit
Molecular Weight (Mn)	GPC	1,200	g/mol
1,2 Vinyl	Proton NMR/ IR	20	wt. %
Viscosity @ 30°C	ATO-8028	1,400	cps
Tg	DSC	-70	°C
Specific Gravity @ 23°C	ATO-8026	0.91	-
-OH (Groups/Chain)	Titration/VPO	2.5	-

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