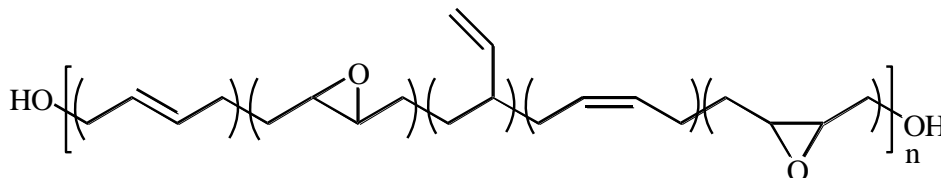


Technical Data Sheet: Poly bd[®] 605E

EPOXIDIZED HYDROXYL TERMINATED POLYBUTADIENE RESIN



DESCRIPTION

Poly bd[®] 605E is a multifunctional, hydroxy terminated, epoxidized polybutadiene resin. Poly bd 605E brings flexibility and water resistance to urethane formulations and impact resistance and flexibility to epoxy formulations. The epoxy groups will cure with lewis acids or anhydrides.

PRODUCT HIGHLIGHTS

Most highly epoxidized Poly bd[®] resin
Compatibility with other epoxy resins
Low viscosity
UV cationic cure
Multiple functionality

PERFORMANCE PROPERTIES

Flexible epoxy systems
Hydrophobicity
Aqueous acid and base resistance
Adhesion to a variety of substrates

SUGGESTED APPLICATIONS

Adhesives
Coatings, electronics
Flexibilization of epoxy systems
Polymer Modification
Polyurethane, foams
Polyurethane, coatings
Polyurethane, adhesives
Polyurethane, sealants
Polyurethane, elastomers

Poly bd[®] 605E

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Epoxy Equivalent weight	300
Epoxy Value, meq/g	3.5
Hydroxyl Value, meq/g	1.74
Molecular Weight, M _n	1450
Oxirane Oxygen, %	5.5
Specific Gravity @ 23 °C	1.01
Viscosity, cps @ 30 °C	25000
Water, wt%	0.05

Regulatory Notice

Poly bd[®] 605E is regulated by the United States Department of Commerce and may not be exported without license from that organization.