CRAY VALLEY

Technical Data Sheet

Ricobond® 1731

Polybutadiene Adducted with Maleic Anhydride

DESCRIPTION

Ricobond® 1731 is a low molecular weight, low vinyl butadiene functionalized with maleic anhydride, allowing enhanced adhesion of rubber compounds to metal and textiles. The anhydride functionality can react with epoxy, amine, and hydroxyl groups, enabling the creation of unique adhesives, sealants, encapsulants, and coatings.

PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

Excellent reactivity
Adhesion promoter
Compatibility with polar and non-polar materials
Moisture resistance
Low temperature tackifier
Reactive toughener for epoxies
Reactive compatibilizer for thermoplastics

SUGGESTED APPLICATIONS

Elastomers
Coatings
Electronics
Encapsulants
Sealants
Adhesives
Compatibilizers

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit
Molecular Weight (Mn)	6400	g/mol
1,2 Vinyl Content	20	wt. %
Viscosity @ 45°C	60,000	cps
Tg	-72	°C
Specific Gravity @ 25°C	0.90	-
MA (Groups/Chain)	9	-

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