

Technical Data Sheet

Ricobond[®] 1031

Polybutadiene Adducted with Maleic Anhydride

DESCRIPTION:

Ricobond[®] 1031 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
- Reactive toughener for epoxies
- Reactive compatibilizer for thermoplastics

SUGGESTED APPLICATIONS:

- Elastomers
- Coatings
- Electronics
- Encapsulants
- Sealants
- Adhesives
- Compatibilizers

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Property	Test Method	Value	Unit
Molecular Weight (Mn)	QCS-651	5,000	g/mol
1,2 Vinyl Content	QCS-642	28	wt. %
Viscosity @ 25°C	QCS-630	48,000	cps
Tg	QCS-681	-74	°C
Specific Gravity @ 25°C	QCS-649	0.90	-
MA (Groups/Chain)	QCS-660	5	-

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