

Technical Data Sheet

Ricobond® 1731 HS

Powdered Maleinized Polybutadiene Dispersion

DESCRIPTION:

Ricobond® 1731 HS is a low molecular weight, low vinyl butadiene functionalized with maleic anhydride, then dispersed on amorphous silica for ease in handling. It provides 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:

- Free flowing powder
- 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	Test Method	Value	Unit
Molecular Weight (Mn)*	QCS-651	5,400	g/mol
1,2 Vinyl Content*	QCS-642	28	wt. %
Viscosity @ 45°C*	QCS-630	50,000	cps
Tg*	QCS-681	-72	°C
Specific Gravity @ 25°C	QCS-649	1.3	-
MA (Groups/Chain)*	QCS-660	9	-
Actives	QCS-720	70	%

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