

Technical Data Sheet

Ricon[®] 131 MA5

Polybutadiene Adducted with Maleic Anhydride

DESCRIPTION:

Ricon[®] 131 MA5 is a low molecular weight, low vinyl butadiene functionalized with maleic anhydride, allowing enhanced adhesion of rubber compounds to metal and textiles. Ricon[®] 131 MA5 can act as a reactive compatibilizer in thermoplastics. 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	4,500	g/mol
1,2 Vinyl Content*	QCS-642	28	wt. %
Viscosity @ 25°C*	QCS-630	2,750	cps
Tg*	QCS-681	-84	°C
Specific Gravity @ 25°C	QCS-649	0.90	-
MA (Groups/Chain)	QCS-660	2	-

*Resin properties

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