

CRAY VALLEY

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	Value	Unit
Molecular Weight (Mn)	5500	g/mol
1,2 Vinyl Content	20	wt. %
Viscosity @ 25°C	7,800	cps
Tg	-74	°C
Specific Gravity @ 25°C	0.90	-
MA (Groups/Chain)	2	-

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