

Ricon® 131 Maleinized Polybutadiene

Product Description

Ricon® 131 maleinized polybutadiene family of products uses Ricon® 131 polybutadiene as a starting material and adds functional groups to this backbone. The functional groups that are added can react with epoxy, amines and hydroxyls. The ability to react with these materials allows for the creation of unique sealants and epoxies.

Benefits/Features

- √ The polybutadiene backbone improves the moisture resistance of the final product.
- √ The varying carbon chain lengths between functional groups provides for varying sealant and hardness.
- √ The liquid nature allows for easy mixing.
- √ Can be used in place of or in addition to anhydrides typically used in anhydride based epoxy systems.
- √ The anhydride functional groups allow for adhesion improvement and compatibilization of polar and non-polar materials.

Typical Uses

- √ Sealants
- √ Epoxies
- √ Coatings
- √ Adhesives
- √ Compatibilizers

General Description

(not to be considered as a specification)

Appearance:	Amber colored liquid
Chemical Description:	Maleinized Polybutadiene
Percent Functional Group:	5-20%
Molecular Weight (Mn):	4,700-5,600 g/mole
Viscosity:	15,000 @ 25°C - 100,000 @ 55°C cps

Handling

To insure best performance, store at room temperature or below and keep free of moisture. Anhydrides are reactive and will develop a skin on the surface if allowed to contact a moist environment.

Ricon® 131 Maleinized Polybutadiene Standard Line of Products.

Property	131MA5	131MA10	131MA17	131MA20	Units
Molecular Weight (Mn)	4700	5000	5400	5600	g/mole
Viscosity (@ 25°C)	15000	48000	50000*	100000**	cps
Number Functional Groups/chain	2	5	9	11	
Anhydride Equivalent Weight	1981	981	583	495	

* at 45°C

** at 55°C

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