

Ricon® 184 Maleinized Polybutadiene

Product Description

Ricon® 184 maleinized polybutadiene family of products uses Ricon® 184, a random copolymer of styrene and polybutadiene, as a starting material and adds maleic anhydride 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 compounded product.
- √ The anhydride functional groups allow for adhesion improvement and compatibilization of polar and non-polar materials.
- √ Can be used in anhydride based epoxy and urethane systems.
- √ The predominant unsaturation in the vinyl position allows for increased crosslinking in peroxide systems.
- √ The presence of styrene in the backbone adds to its compatibility in styrenic systems.

Typical Uses

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

General Description

(not to be considered as a specification)

Appearance:	Amber colored liquid
Chemical Description:	Maleinized random copolymer of butadiene and styrene
Percent Functional Group:	6%
Molecular Weight (Mn):	9900 g/mole
Viscosity:	170,000 @45°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® 184 Maleinized Polybutadiene Standard Line of Products

Property	184MA6	Units
Molecular Weight (Mn)	9100	g/mole
Viscosity (@ 45°C)	170000*	cps
Number Functional Groups	6	
Anhydride Equivalent Weight	1651	

* at 45°C

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