

**Ricon® 130 Maleinized Polybutadiene**

**Product Description**

Ricon® 130 maleinized polybutadiene family of products uses Ricon® 130 polybutadiene (28% vinyl, Mn ≈ 2500) 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 renders the final reaction product hydrophobic.
- √ 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:	8-20%
Molecular Weight (Mn):	2,700-3,100 g/mole
Viscosity:	6,500 @ 25°C - 35,000 @ 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® 130 Maleinized Polybutadiene Standard Line of Products.**

Property	130MA8	130MA13	130MA20	Units
Molecular Weight (Mn)	2700	2900	3100	g/mole
Viscosity (@ 25°C)	6500	17000	35000**	cps
Number Functional Groups/chain	2	4	6	
Anhydride Equivalent Weight	1238	762	472	

\*\* at 55°C

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