

## *Ricacryl® Methacrylated Polybutadiene*

### Product Description

Ricacryl® methacrylated polybutadiene family of products are used to promote adhesion to various substrates in peroxide and sulfur cured systems. When used in peroxide or sulfur cured systems, these materials also will act as process aids. Ricacryl® 3500 can also be used as a coagent without affecting the elongation as much as Type I acrylate or methacrylate coagents.

### Benefits/Features

- ✓ The polybutadiene backbone renders the final reaction product hydrophobic.
- ✓ The liquid nature allows for ease of mixing.
- ✓ The solubility parameter allows for plasticizing of block copolymers such as SBS and SIS.
- ✓ The polar nature increases compatibility in polar compounds like NBR and HNBR.
- ✓ Improves hardness and modulus.
- ✓ Improves adhesion to polyesters, aramids, and metals when added to the compound.

### Typical Uses

- ✓ Rubber, esp. NBR and HNBR
- ✓ Plastics
- ✓ Printing Plates
- ✓ Adhesives

### General Description

(not to be considered as a specification)

Appearance:	Amber liquid
Chemical Description:	Methacrylated Polybutadiene
Molecular Weight (Mn):	3500-6400 g/mole
Viscosity:	25,000@25°C – 50,000@45°C cps

### Handling

To insure best performance, store at room temperature or below. Avoid moist conditions as this will develop a skin on the neat material. Do not heat containers with band heaters; hot spots may cause the material to crosslink and polymerize. This may cause the container to rupture.

## Ricacryl® Methacrylated Polybutadiene Standard Line of Products

Property	3100	3500	units
Molecular Weight (Mn)	5100	6400	g/mole
Viscosity (@ 25°C)	25000	50000*	cps
Recommended cure system	Peroxide/UV	Peroxide/UV	
#Methacrylates/chain	2	9	

\* at 45°C

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Oaklands Corporate Center, 468 Thomas Jones Way, Suite 100, Exton, PA 19341  
Toll Free 877-871-2729



TOTAL