

## Technical Data Sheet

# Ricacryl<sup>®</sup> 3500

## Methacrylated Polybutadiene

### DESCRIPTION:

Ricacryl<sup>®</sup> 3500 is a methacrylated polybutadiene which promotes adhesion of elastomers to polar substrates such as polyesters, aramids and metals. It can plasticize block copolymers such as SBS and SIS, and is highly compatible in polar elastomers such as NBR and HNBR. The resin acts as a coagent, improving hardness and modulus in peroxide, sulfur, and UV-cured systems. The resin acts as a process aid, with the butadiene backbone providing high water resistance and low temperature flexibility.

### PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES:

- High reactivity
- Non-extractable process aid
- Excellent compatibility with nitrile rubber and HNBR
- Improved adhesion to polar substrates
- Coagent for elastomer cure
- Improved hardness and modulus

### SUGGESTED APPLICATIONS:

- Photopolymers
- Coatings
- Adhesives
- Electronics
- Wire and cable
- Belts
- Hoses

### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Property	Test Method	Value	Unit
Molecular Weight (Mn)	QCS-651	6,000	g/mol
1,2 Vinyl Content	QCS-642	20-35	wt. %
Viscosity @ 45°C	QCS-630	65,000	cps
Specific Gravity @ 25°C	QCS-649	~1	-
MA (Groups/Chain)	QCS-660	9	-

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