

# CRAY VALLEY

Technical Data Sheet

## Ricacryl® 3500

### Methacrylated Polybutadiene

#### DESCRIPTION

Ricacryl® 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, 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	Value	Unit
Molecular Weight	7,000	Mn, g/mol
1,2 Vinyl Content	20-35	wt. %
Viscosity @ 45°C	50,000	cps
Specific Gravity @ 25°C	~1	-
Methacrylate (Groups/Chain)	9	-



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