

# CRAY VALLEY

## Technical Data Sheet

# Ricon® 156

## High Vinyl Homopolymer of Butadiene

### DESCRIPTION

Ricon® 156 is a very low molecular weight, liquid polybutadiene resin with high vinyl functionality for high reactivity, exceptional hydrophobicity and excellent processing characteristics. This resin is suitable for use in peroxide- and sulfur-cured elastomers as a non-extractable plasticizer and process aid, where low viscosity and good reactivity are desired. Its polymeric structure gives excellent compatibility in saturated and unsaturated elastomers, especially olefinic-based elastomers and thermoplastic resins. The resin is a Type II coagent, giving excellent crosslink densities without affecting the rate of cure.

### PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

High reactivity  
Non-extractable process aid  
Electrical insulator  
Excellent dielectric properties  
Excellent hydrophobicity  
Low temperature flexibility  
Coagent for elastomer cure  
Good hardness  
Scorch protection  
Good compression set  
Abrasion resistance  
High tear strength

### SUGGESTED APPLICATIONS

Coatings  
Electronics  
Encapsulants  
Rubber  
Wire and cable  
Sealants  
Thermoplastic modification

### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit
Molecular Weight (Mn)	1,800	g/mol
1,2 Vinyl Content	65	wt. %
Viscosity @ 25°C	2,000	cps
Tg	-56	°C
Specific Gravity @ 25°C	0.89	-

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