

# CRAY VALLEY

## Technical Data Sheet

# Ricon® 152

## High Vinyl Homopolymer of Butadiene

### DESCRIPTION

Ricon® 152 is a 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, where it acts as a non-extractable plasticizer and process aid. 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)	3,900	g/mol
1,2 Vinyl Content	82	wt. %
Viscosity @ 45°C	18,000	cps
Tg	-30	°C
Specific Gravity @ 25°C	0.89	-



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