

# CRAY VALLEY

## Technical Data Sheet

# Ricon® 150

## High Vinyl Homopolymer of Butadiene

### DESCRIPTION

Ricon® 150 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)   | 4,200  | g/mol |
| 1,2 Vinyl Content       | 70     | wt. % |
| Viscosity @ 25°C        | 40,000 | cps   |
| Tg                      | -40    | °C    |
| Specific Gravity @ 25°C | 0.89   | -     |

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