

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 | 73 | wt. % |
| Viscosity @ 25°C | 2,000 | cps |
| Tg | -56 | °C |
| Specific Gravity @ 25°C | 0.89 | - |



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