

CRAY VALLEY

Technical Data Sheet

Ricon® 157

High Vinyl Homopolymer of Butadiene

DESCRIPTION

Ricon® 157 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)	2,400	g/mol
1,2 Vinyl Content	72	wt. %
Viscosity @ 25°C	6,500	cps
Tg	-51	°C
Specific Gravity @ 25°C	0.89	-



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