

CRAY VALLEY

Technical Data Sheet

Ricon® 142

Moderate Vinyl Homopolymer of Butadiene

DESCRIPTION

Ricon® 142 is a low molecular weight liquid polybutadiene, with moderate vinyl functionality for peroxide reactivity, high hydrophobicity and excellent processing characteristics. Its polymeric structure gives excellent compatibility in saturated and unsaturated elastomers, especially olefinic-based elastomers and thermoplastic resins.

PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

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
Tire tread
Rubber
Flexographic printing plates
Thermoplastic modification

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit
Molecular Weight (Mn)	4,800	g/mol
1,2 Vinyl Content	50	wt. %
Viscosity @ 25°C	9,800	cps
Tg	-65	°C
Specific Gravity @ 25°C	0.90	-

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