

# 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	55	wt. %
Viscosity @ 25°C	9,800	cps
Tg	-65	°C
Specific Gravity @ 25°C	0.90	-



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