

# CRAY VALLEY

## Technical Data Sheet

# Ricon® 181

## Low Vinyl Butadiene-Styrene Copolymer

### DESCRIPTION

Ricon® 181 is a low molecular weight, liquid copolymer of butadiene and styrene. 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 elastomers with styrenic and aromatic content.

### PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

Non-extractable process aid  
Electrical insulator  
Excellent dielectric properties  
Excellent hydrophobicity  
Low temperature flexibility  
Excellent compatibility with elastomers

### SUGGESTED APPLICATIONS

Coatings  
Electronics  
Laminates  
Encapsulants  
Rubber  
Flexographic printing plates

### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit
Molecular Weight (Mn)	5,200	g/mol
1,2 Vinyl Content*	20	wt. %
Styrene Content	25	wt. %
Viscosity @ 25°C	18,000	cps
Tg	-65	°C
Specific Gravity @ 25°C	0.90	-

\*Butadiene portion

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