

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*	30	wt. %
Styrene Content	28	wt. %
Viscosity @ 25°C	18,000	cps
Tg	-65	°C
Specific Gravity @ 25°C	0.90	-

*Butadiene portion



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