CRAY VALLEY

Technical Data Sheet

Ricon® 300

Low Vinyl Homopolymer of Butadiene

DESCRIPTION

Ricon® 300 is a low molecular weight, liquid polybutadiene resin. 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 olefinic-based elastomers and thermoplastic resins.

PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

Non-extractable process aid
Electrical insulator
Excellent dielectric properties
Excellent hydrophobicity
Low temperature flexibility
Enhanced winter traction of tires
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)	2,100	g/mol
1,2 Vinyl Content	15-20	wt. %
Viscosity @ 25°C	1,500	cps
Tg	-86	°C
Specific Gravity @ 25°C	0.89	-

Version Nov-24

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