

CRAY VALLEY

Technical Data Sheet

Ricon® 100

Butadiene-Styrene Copolymer

DESCRIPTION

Ricon® 100 is a low molecular weight, liquid copolymer of butadiene and styrene with moderately high vinyl functionality for high reactivity, exceptional hydrophobicity and excellent processing characteristics. 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
High reactivity
Low temperature flexibility
Excellent compatibility with elastomers
Enhanced tire traction with low rolling resistance
Coagent for elastomer cure
Good hardness
Scorch protection
Good compression set
Abrasion resistance
High tear strength

SUGGESTED APPLICATIONS

Coatings
Electronics
Laminates
Tire tread
Encapsulants
Rubber
Flexographic printing plates

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit
Molecular Weight (Mn)	2,800	g/mol
1,2 Vinyl Content*	73	wt. %
Styrene Content	20	wt. %
Viscosity @ 45°C	40,000	cps
Tg	-22	°C
Specific Gravity @ 25°C	0.90	-
*Butadiene portion		

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