

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	Test Method	Value	Unit
Molecular Weight (Mn)	QCS-651	3,200	g/mol
1,2 Vinyl Content*	QCS-642	30	wt. %
Viscosity @ 25°C	QCS-630	17,500	cps
Tg	QCS-681	-65	°C
Specific Gravity @ 25°C	QCS-649	0.90	-
Styrene Content	QCS-642	28	wt. %

*Butadiene portion

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