

Technical Data Sheet Ricon® 131

Low Vinyl Homopolymer of Butadiene

DESCRIPTION:

Ricon® 131 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. Ricon® 131 is an economical replacement for Ricon® 130 when higher viscosity is acceptable.

PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES:

- Non-extractable process aid
- Electrical insulator
- Excellent dielectric properties
- Excellent hydrophobicity
- Low temperature flexibility
- Abrasion resistance
- High tear strength

SUGGESTED APPLICATIONS:

- Coatings
- Electronics
- Encapsulants
- Tire tread
- Rubber
- Flexographic printing plates
- Thermoplastic modification

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Property	Test Method	Value	Unit
Molecular Weight (Mn)	QCS-651	4,500	g/mol
1,2 Vinyl Content	QCS-642	28	wt. %
Viscosity @ 25°C	QCS-630	2,750	cps
Tg	QCS-681	-84	°C
Specific Gravity @ 25°C	QCS-649	0.89	-

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