

## Technical Data Sheet Ricon® 142

### Moderate Vinyl Homopolymer of Butadiene

#### DESCRIPTION:

Ricon® 142 is a low molecular weight liquid polybutadiene, with moderate vinyl functionality for peroxide reactivity, high hydrophobicity and excellent processing characteristics. 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
- Coagent for elastomer cure
- Good hardness
- Scorch protection
- Good compression set
- 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	3,900	g/mol
1,2 Vinyl Content	QCS-642	55	wt. %
Viscosity @ 25°C	QCS-630	9,700	cps
Tg	QCS-681	-65	°C
Specific Gravity @ 25°C	QCS-649	0.90	-

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