

## Technical Data Sheet Ricon® 603

### Functionalized Polybutadiene

#### DESCRIPTION:

Ricon® 603 is a silane-functional polybutadiene which improves the dispersion of polar fillers, particularly silica, in elastomeric applications.

#### PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES:

Difunctional material  
Excellent hydrophobicity  
Non-extractable process aid  
Excellent compatibility with natural rubber, SBR & other elastomers  
Enhanced silica dispersion  
Hysteresis improvement  
Modification of visco-elastic properties

#### SUGGESTED APPLICATIONS:

Adhesives  
Tire tread  
Rubber goods  
Medical devices  
Belts  
Hoses

#### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

| Property                | Test Method | Value  | Unit  |
|-------------------------|-------------|--------|-------|
| Molecular Weight (Mn)   | QCS-651     | 3,500  | g/mol |
| 1,2 Vinyl Content       | QCS-642     | 65     | wt. % |
| Viscosity @ 25°C        | QCS-630     | 18,000 | cps   |
| Tg                      | QCS-681     | -41    | °C    |
| Specific Gravity @ 25°C | QCS-649     | 0.92   | -     |

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