

# KBR 01

## High Cis Butadiene Rubber (BR)

### Description

KBR 01 is a solution high-cis polybutadiene polymer (BR) produced by polymerization of 1,3-butadiene. 1,4-cis content is more than 94%.

KBR 01 is easily compatible with natural and SBR rubbers. When mixed with other rubbers, KBR 01 adds high elasticity along with wear and cold-resistant properties from its low glass transition temperature of approximately minus 100 C. The anti-oxidant is non-staining.

### End Use

KBR 01 is used primarily in the production of tire products, as well as footwear, golf balls, belts, rubber hoses, and a wide range of mechanical and technical rubber goods.

### Features

- Excellent abrasion resistance
- Resiliency
- Age resistance
- Cold resistance
- Water resistance.

### Packing

- 35 kg bales
- 30 bales per crate (1.05 MT)

### Origin

Producer: Kumho

### Technical Specification

Property	Unit	Target
Mass Fraction of CIS-1,4	%	94 min
Mooney Viscosity*	ML <sub>1</sub>	45
Strain at 300% Elongation	kgf/cm	91
Tensile Strength	kgf/cm	198
Elongation at Break	%	540 max
Volatile Matter	%	0.5 max
Ash Content	%	0.2 max
Stabilizer		Non Staining
Specific Gravity		0.91

\* ML 1+4 (100°C)

Astlett Rubber Inc.  
Suite 205, 277 Lakeshore Road East  
Oakville, ON  
L6J 1H9  
Telephone: (905) 842-2700  
Fax: (905) 842-2701  
Website: [www.astletterubber.com](http://www.astletterubber.com)