

KBR-820

Low cis Butadiene Rubber (LBR)

Product Introduction

- Kumho KBR-820 is solution low-cis polybutadiene rubber (LBR) produced with alkyllithium catalyst based.
- They have 40.5% of cis content and 10~14% of vinyl content.
- This product is good for silica tire material

Product Properties

Property	Typical value	Test Method
	KBR-820	
MLI+4@100 °C	78*	ASTM D 1646
Vinyl content (%)	12	Morero method
Volatile matter content (%)	Max.0.75	ASTM D 5668
Ash content (%)	Max. 0.2	ASTM D 5667

* Mooney Viscosity at production. (Mooney viscosity change exists after production.)

Characteristics and Applications

- Typical application is for tire tread by mixing with SBR and any other rubber.
- KBR-820 is functionalized to improve silica affinity by KKPC's innovative technology.
- For silica tire tread such as increasing bound rubber, good filler dispersion, higher wet traction, lower rolling resistance, lower heat build-up and lower mill shrinkage.

Manufacturer location

- Yeosu plant in Korea

Product safety

- Relevant safety data and references can be found in the safety data sheet.

Shelf life/Conditions

- 2 years from the production date at temperatures not exceeding 35 °C, keeping away from direct sunlight, humidity

Packaging

- Bale weight : 35kg (Wrapped by polyethylene film)
- Box weight : 1,050kg (30 bales)

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