

Kumho KBR 01

High Cis Polybutadiene Rubber
Korea Kumho Petrochemical Co., Ltd.

Message:

Kumho KBR 01 is a High Cis Polybutadiene Rubber material. It is available in Asia Pacific, Europe, or North America.
Important attributes of Kumho KBR 01 are:
Good Weather Resistance
Stabilized
Wear Resistant
Typical applications include:
Automotive
Consumer Goods
Engineering/Industrial Parts
Hose/Tubing
Sporting Goods

General Information			
Additive	Unspecified Stabilizer 2		
Features	Good Abrasion Resistance		
	Good Weather Resistance		
	Resilient		
Uses	Automotive Exterior Parts		
	Belts/Belt Repair		
	Footwear		
	Hose		
	Sporting Goods		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.908	g/cm ³	ASTM D792
Mooney Viscosity			
ML 1+4, 100°C ¹	55	MU	ASTM D3189
ML 1+4, 100°C	45	MU	
1,4-cis Content	> 94.0	wt%	
Ash Content	< 0.20	%	
Volatile Matter	< 0.50	%	
Monsanto ODR			
160°C ²	11.3	min	
160°C ³	5.9	kN/m	
160°C ⁴	1.5	kN/m	
160°C ⁵	3.8	min	
160°C ⁶	8.5	min	

Elastomers	Nominal Value	Unit
Tensile Stress ⁷ (300% Strain)	8.92	MPa
Tensile Strength ⁸ (Yield)	19.4	MPa
Tensile Elongation ⁹ (Break)	540	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	-73.3	°C

NOTE		
1.	Compounded Rubber	
2.	ARC ±1°, T' 90	
3.	ARC ±1°, MH	
4.	ARC ±1°, ML	
5.	ARC ±1°, TS 01	
6.	ARC ±1°, T' 50	
7.	Press cured 35 min at 145°C	
8.	Press cured 35 min at 145°C	
9.	Press cured 35 min at 145°C	

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Recommended distributors for this material

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