

Kumho KBR 01L

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

Message:

Kumho KBR 01L is a High Cis Polybutadiene Rubber material. It is available in Asia Pacific, Europe, or North America.
Important attributes of Kumho KBR 01L are:
RoHS Compliant
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		
RoHS Compliance	RoHS Compliant		
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	43	MU	ASTM D3189
ML 1+4, 100°C	30	MU	
1,4-cis Content	> 94.0	wt%	
Ash Content	< 0.20	%	
Volatile Matter	< 0.50	%	
Monsanto ODR			
160°C ²	12.2	min	
160°C ³	5.2	kN/m	
160°C ⁴	1.2	kN/m	
160°C ⁵	4.9	min	

160°C ⁶	9.2	min
Elastomers	Nominal Value	Unit
Tensile Stress ⁷ (300% Strain)	8.04	MPa
Tensile Strength ⁸ (Yield)	17.1	MPa
Tensile Elongation ⁹ (Break)	550	%
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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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