

KUMHO KBR

HBR(High cis Butadiene Rubber)

1. Typical Properties of KUMHO KBR

Items	Grade	KBR 01	KBR 01L
cis-1,4 Content (%)		min. 96.0	
Raw Mooney Viscosity ML ₁₊₄ (100 °C)		45	30
Stabilizer		Non-Staining	
Volatile Matter (%)		max. 0.5	
Ash Content (%)		max. 0.2	
Specific Gravity		approx. 0.91	
Mooney Viscosity M _{L1+4} (100 °C) of Compounded Rubber ^{*1)}		55	40
Rheometer Properties (160 °C, ARC±1 °C) ^{*2)}			
ML (lbf · in)		8.3	6.2
MH (lbf · in)		33.5	32.2
Ts 01 (Min)		3.8	4.3
T' 50 (Min)		8.5	9.1
T' 90 (Min)		11.3	12.0
300% Modulus (kg /cm ²) ^{*3)}		91	82
Tensile Strength (kg /cm ²) ^{*3)}		198	174
Elongation (%) ^{*3)}		540	550

*1) Test formulation according to ASTM-D 3189 (based on IRB #7)

*2) Monsanto Rheometer ODR, 160 °C

*3) Press cured 35minutes at 145 °C

NOTE) The above data are typical value; therefore, they may differ slightly from the physical properties of the supplied product.