

Typical Properties of BR

Items / Grade	BR 01	BR 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 ML ₁₊₄ (100°C) of Compounded Rubber ^{*1)}	55	43
Rheometer Properties (160°C, ARC ± 1°) ^{*2)}		
ML (lbf *in)	8.3	7.0
MH (lbf *in)	33.5	29.9
Ts 1 (Min.)	3.8	4.9
T' 50 (Min.)	8.5	9.2
T' 90 (Min.)	11.3	12.2
300% Modulus (kgf/cm ²) ^{*3)}	91	82
Tensile Strength (%) ^{*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 35 minutes at 145 °C

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