

KUMHO KHS

HSR(High Styrene Resin Masterbatch)

1. Product Application

Grade	Packages	Applications
KHS 68	20kg / Bag 0.5 MT / Pallet	Shoe soles and heels, Rubber hoses, Sponges Autoparts, Mechanical goods, etc
RM 21	35kg / Bale, 1.05 MT / Box	Tires, Footwears, Sponges, Other mechanical goods, etc

2. Typical Properties of KUMHO HSR

Item	Grade	KHS 68	RM 21
Raw MV (ML ₅₊₄ , 100 ?)		61	41 ^{*1)}
Appearance		Pop-corn Type	Bale
Total Styrene (%)		68	21
Stabilizer		Non-Staining	
Specific Gravity		1.00	0.92
^{*2)}		^{*2)}	^{*3)}
Compound Properties			
Compound MV (ML ₁₊₄ , 100 ?)		46	79
Rheometer (160 ? , ARC ± 1°)			
ML (lbf · in)		3.0	17.0
MH (lbf · in)		15.5	52.8
Ts 1 (Min.)		8.5	4.3
T' 50 (Min.)		16.8	10.2
T' 90 (Min.)		52.0	18.6
^{*4)}		^{*4)}	^{*5)}
300% Modulus (kg f/cm ²)		120	156 ^{*6)}
Tensile Strength (kg f/cm ²)		140	218
Elongation (%)		380	270
Hardness (Shore-A)		97	87

*1) ML₁₊₄, 100 ?

*2) HSR 100, KUMHO 1502 50, ZnO 5, S/A 0.5, Accelerator DM 2.5, Accelerator TT 0.2, Sulfur 2

*3) RM21/21L 100, ZnO 3, S/A 1.5, HAF Black(IRB#8) 50, Accelerator TBBS 1, Sulfur 1.75

*4) 145 ?× 50 Min., Press Cured

*5) 145 ?× 35 Min., Press Cured

*6) 200% Modulus

Total : 160.2

Total : 156.75