

# KOSYN SBR

## 1507

tcirubber



### Typical Properties for KOSYN SBR:

Bound Styrene (%)	23.5
Raw MV (ML <sub>1+4</sub> , 100°C)	35
Stabilizer	Non-Staining
Emulsifier	Mixed Soap of Rosin Acid and Fatty Acid
Coagulant	Salt - Acid
Specific Gravity	0.94
Compound Properties	
Compound MV (ML <sub>1+4</sub> , 100°C)	64
Rheometer (160° C, ARC ±1)	
ML (lbf - in)	12.3
MH (lbf - in)	47.9
Ts 1 (Min)	4.2
T' 50 (Min)	10.6
T' 90 (Min)	19.5
Cured*4	
300% Modulus (kgf/cm <sup>2</sup> )	172
Strength (kgf/cm <sup>2</sup> )	284
Elongation (%)	470
Hardness (Shore-A)	71
Tear Resistance (B-Type, Kg/cm <sup>2</sup> )	50
Compression Set	
100° C X 70 Hrs. 25% def., %	51
Rebound (ASTM.%)	55
Fire Crack Resistance*5	4 x 10 <sup>3</sup>
Abrasion Loss*6	0.19

SBR 100, ZnO 3, S/A 1, HAF Black (IRB#7) 50, Accelerator TBBS 1.00 Sulphur 1.75  
Total: 156.75

\*4) Press cured 35 Minutes at 145°C \*5) De Mattia Flexometer: Cut Growth 2mm → 15mm, Flexes \*6) Akron Type Tester, cc/1000rev.

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

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