

# KOSYN SBR

## 1712C

tcirubber



### Typical Properties for KOSYN SBR:

Bound Styrene (%)	23.5
Extender oil type	Aromatic
PHR	37.5
Raw MV (ML <sub>1+4</sub> , 100°C)	46
Stabilizer	Staining
Coagulant	Mixed Soap of Rosin Acid and Fatty Acid
Specific Gravity	0.95
Compound Properties	
Compound MV (ML <sub>1+4</sub> , 100°C)	59
Rheometer (160° C, ARC ±1)	
ML (lbf - in)	12.3
MH (lbf - in)	35.6
Ts 1 (Min)	6.3
T' 50 (Min)	10.6
T' 90 (Min)	18.4
Cured*4	
300% Modulus (kgf/cm <sup>2</sup> )	104
Strength (kgf/cm <sup>2</sup> )	232
Elongation (%)	570
Hardness (Shore-A)	63
Tear Resistance (B-Type, Kg/cm <sup>2</sup> )	42
Compression Set	
100° C X 70 Hrs. 25% def., %	51
Rebound (ASTM.%)	44
Fire Crack Resistance*5	10 x 10 <sup>3</sup>
Abrasion Loss*6	0.15

SBR 137.5, ZnO 3, S/A 1,  
HAF Black (IRB#7) 68.75,  
Accelerator TBBS 1.38,  
Sulphur 1.75  
Total: 213.38

\*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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