

# KOSYN SBR

## 1724

tcirubber



### Typical Properties for KOSYN SBR:

Bound Styrene (%)	40
Extender oil type	Aromatic
PHR	50
Raw MV (ML <sub>1+4</sub> , 100°C)	53 <sup>*7</sup>
Stabilizer	Staining
Coagulant	Mixed Soap of Rosin Acid and Fatty Acid
Specific Gravity	0.98
Compound Properties	
Compound MV (ML <sub>1+4</sub> , 100°C)	60
Rheometer (160° C, ARC ±1)	
ML (lbf - in)	12.7
MH (lbf - in)	35.1
Ts 1 (Min)	6.7
T'50 (Min)	11.5
T'90 (Min)	19.5
Cured <sup>*4</sup>	
300%Modulus (kgf/cm <sup>2</sup> )	107
Strength (kgf/cm <sup>2</sup> )	232
Elongation (%)	570
Hardness (Shore-A)	66
Tear Resistance (B-Type, Kg/cm <sup>2</sup> )	44
Compression Set	
100° C X 70 Hrs. 25% def., %	50
Rebound (ASTM.%)	24
Fire Crack Resistance <sup>*5</sup>	10 x 10 <sup>3</sup>
Abrasion Loss <sup>*6</sup>	0.19

SBR 150, ZnO 3, S/A 1,  
HAF Black (IRB#7) 75,  
Accelerator TBBS 1.50,  
Sulfur 1.75  
Total: 232.25

\*4) Press cured 35 Minutes at 145°C

\*5) De Mattia Flexometer: Cut Growth 2mm → 15mm, Flexes

\*6) Akron Type Tester, cc/1000rev.

\*7) Unmilled

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

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ISO 9001:2000  
FS 98005