

# SODIUM STEARATE NS SOAP

## STANDARD CURE SYSTEM FOR ACM RUBBER

### FEATURES

- Cost Efficient
- Excellent Cure Properties
- Improved Initial Mechanical Properties
- Superior Heat Ageing Properties

Parameters	Specifications
Appearance	White to Light Yellow Needle
Free Alkali	0.10 Max
Alcohol Insoluble Matter	2.50 Max
Water Insoluble Matter	0.80 Max
Water Content	10±2
Iron Content	50 Max
Petroleum Ether-Soluble Matter	1.50 Max

### Typical Formulation

Ingredients	Compound (PHR)
TRC ACM SA 201	100
Stearic Acid	1
Naugard 445	2
FEF	65
Sulphur	0.3
NS Soap ( Sodium Stearate )	3
SK1 ( Potassium Stearate )	0.3

### Rheometric Properties (ODR) 180°C for 15 min

ML d Nm	4.83
MH d Nm	20.66
Ts2 minute	1.13
Tc90 minute	7.82
Mooney Viscosity $ML_{(1+4)}$ @100°C	71.2

### Physical Properties:-Test Slabs Cured at 180°C, 10 min Post Cured 170°C for 3 Hrs.

Shore Hardness (Shore A)	70
Specific Gravity	1.326
Tensile Strength, Mpa	13.54
Elongation at Break, % (Min)	246

### Heat Ageing Properties:- 150°C for 72 Hrs

Change in Hardness (Unit)	0
Change in Tensile Strength %	2%
Change in Elongation at Break %	8%

