

POTASSIUM STEARATE SK1

STANDARD CURE SYSTEM FOR ACM RUBBER

FEATURES:-

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

Parameters	Specifications
Moisture (%)	9.8 Max
Soap Matter (%)	96.0 Min
Free Alkali (%)	0.10 Max
Neutral Fat & Un-Saponifiable Matter (%)	2 Max
Alcohol Insoluble Matter (%)	1 Max
Water Insoluble Matter (%)	0.10 Max

TYPICAL FORMULATION

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

