



## SHIRAIISHI KOGYO KAISHA, LTD.

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## CALMOS

Calmos is precipitated calcium carbonate with the particle size of 50nm and lignin coated on the particle surface.

Calmos can be applied to any synthetic rubber formulation with any reinforcing fillers.

Calmos shows better performance in the formulation with carbon black→In the applications of industrial rubber parts, Calmos shows better physical properties, and improves the tackiness of uncured rubber

In latex formulation, Calmos shows better dispersion and better stability, and is excellent in the physical strength.

Calmos is applied with carbon black to SBR formulation below;

	HAF+Calmos	HAF+FT	HAF
Carbon Black HAF	45	45	50
Calmos	15		
Carbon Black FT		15	
Tensile Strength(Mpa)	18	18.2	20.4
Elongation(%)	340	370	300
Hardness	70	70	72
Tear Strength(N/mm)	49	32.4	49.5
Abrasion Resistance(%)	1.5	2.3	1
Flex Cracking Resistance(kC)	1.8	1.6	1.1

### (Formulation)

SBR 1712:100(phr)

Zinc Oxide:5

Stearic Acid:2

Sulfur:2

Accelerator CZ:1.2

Accelerator TT:0.15