

KES

**Evaluation Standard of SBR
(Styrene – Butadiene
Polymerized Chemical)**

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1. Scope of application

- 1.1 This method shall specify standard blending chemical, recipe of blending, order of stirring, and test method for evaluation and production management of styrene-butadiene rubber. This shall include emulsified polymerized transmitting poly butadiene rubber, transmitting SBR, and high viscosity rubber of a part bridge.
- 1.2 This method can be applied to solution polymerized SBR that is used to emulsify and solution polymerized electric SBR.

2. Related ASTM

- D412 Test for tensile property of rubber
- D1485 Test of natural or synthetic rubber – sampling and preparation of sample
- D1646 Test of natural or synthetic rubber – viscosity and emulsification property (Mooney viscosity meter)
- D2084 Measurement of rubber blend – emulsification property according to oscillating disk cure meter
- D3182 Standard blend used for stirring rubber mixture and preparing emulsification sample, and method of selecting equipment and order

3. Standard recipe of test blending

3.1 Standard recipe of blending

Blend	NBS SRM	}No	Weight (Accompaniment) No of blending recipe	
			1A	2A
SBR or master batch			100.00	100.00
Zinc oxide	370		3.00	3.00
Sulfur	371		1.75	1.75
Stearic acid	372		1.00	1.00
Oil Perry black ^(a)	378		50.00	35.00
Emulsification accelerating agent TBBS ^(b)	384		1.00	1.00
Sum				
Batch factor				