

**NAME: SBR-1712**

**Product Description:**

SBR-1712 is staining type cold SBR, extended with 27.5 part of highly aromatic oil. Provided that the compounds are formulated and processed correctly, the vulcanized SBR-1712 has very good abrasion, good electrical properties and good resistance to polar solvents and dilute acids.

**Applications:**

The SBR-1712 used for the production of tires, high quality technical rubber goods, molded and extruded mechanical rubber goods and other industrial products where color and staining are not decisive factors.

**Typical data: (Table)**

Property	Unit	Value	Test Method
Volatile matter	wt. %	0.75 max	ASTM D 1416
Ash	wt. %	1.5 max	ASTM D 1416
Organic acid	wt. %	3.9-5.7	ASTM D 1416
Soap	wt. %	0.5 max	ASTM D 1416
Oil content	wt. %	25.5-28.5	ASTM D 1416
Bound styrene	wt. %	22.5-24.5	ASTM D 1416
Raw viscosity (ML 1+4 @ 100 °C)	-	42-52	ASTM D 1646
Compound viscosity (ML 1+4 @ 100 °C)	-	62 max	ASTM D 1646
Tensile strength	kg/cm <sup>2</sup>	200 min	ASTM D 412
Ultimate elongation	%	530 min	ASTM D 412
300 % Modulus	kg/cm <sup>2</sup>	79-109	ASTM D 412

The above data are typical laboratory average. They are intended to serve as guides only.

**Compounding formula :( ASTM D-3182 & D-3185):**

SBR	412.5 (gr)
Chemical: Carbon black IRB = 6. Conforming to NBIS - SRM No. 378	206.25 (gr)
Zinc oxide: NBS - SRM No. 370	9.0 (gr)
Stearic acid: NBS - SRM No. 372	3.0 (gr)
Sulfur: NBS - SRM No. 371	5.25 (gr)
Accelerator (TBBS): NBS - SRM No.384	4.14 (gr)
Temperature: 145 °C Cure time: 35 min	