

SBR-1712

STYRENE BUTADIENE RUBBER

1)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.

2) Applications:

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

3) Typical data

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 ²	200 min	ASTM D 412
Ultimate elongation	%	530 min	ASTM D 412
300 % Modulus	kg/cm ²	79-109	ASTM D 412

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

SBR-1712
STYRENE BUTADIENE RUBBER

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)
Zincoxide: 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	