SBR1712

١)Description:

SBR–١٧١٢ is staining type cold SBR ,extended with ٢٧.٥ part of highly aromatic oil. Provided that the compounds are formulated and processed correctly ,the vulcanized SBR–١٧١٢ has very good abrasion ,good electrical properties and good resistance to polar solvents and dilute acids.

٢) Applications:

The SBR-١٧١٢ 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.

Property	Unit	Value	Test Method
Volatile matter	wt %	٠.٧٥ max	ASTM D ١۴١۶
Ash	wt %	١.٥ max	ASTM D ١۴١۶
Organic acid	wt %	٣.٩-٥.٧	ASTM D ١۴١۶
Soap	wt %	٠.٥ max	ASTM D ١۴١۶
Oil content	wt %	٢٥.٥-٢٨.٥	ASTM D ١۴١۶
Bound styrene	wt %	٢٢.٥-٢۴.٥	ASTM D ١۴١۶
Raw viscosity (ML ١+۴ @ ١٠٠ °C)	-	۴٢-٥٢	ASTM D ١۶۴۶
Compound viscosity (ML ١+۴ @ ١٠٠ °C)	-	۶٢ max	ASTM D ١۶۴۶
Tensile strength	kg/cm^{٢}	٢٠٠ min	ASTM D ۴١٢
Ultimate elongation	%	٥٣٠ min	ASTM D ۴١٢
٣٠٠ % Modulus	kg/cm^{٢}	٧٩-١٠٩	ASTM D ۴١٢

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

Compounding formula :(ASTM D–٣١٨٢ & D–٣١٨٥):

SBR	۴١٢.٥ (gr)
Chemical: Carbon black IRB = ۶. Conforming to NBIS – SRM No. ٣٧٨	٢٠۶.٢٥ (gr)
Zincoxide: NBS – SRM No. ٣٧٠	٩.٠ (gr)
Stearic acid: NBS – SRM No. ٣٧٢	٣.٠ (gr)
Sulfur: NBS – SRM No. ٣٧١	٥.٢٥ (gr)
Accelerator (TBBS): NBS – SRM No.٣٨۴	۴.١۴ (gr)
Temperature: ١۴٥ °C Cure time: ٣٥ min	

Contact Us

Tel : +982177784838 / +989122050173

Email: info@irplastics.com

https://irplastics.com