



Doc
Name:

Technical Data Sheet for **SR PRODUCTION- SBR-1712**

Page: 1 of 2

Typical Data

TYPICAL TEST	UNITS	TEST METHOD	SPEC
VOLATILE METTER	Wt %	ASTM D-5668	0.75 max
ASH	Wt %	ASTM D-5667	1.5 max
ORGANIC ACID	Wt %	ASTM D-5774	3.90-5.70
SOAP	Wt %	ASTM D-5774	0.5 max
BOUND STYRENE	Wt %	ASTM D-5775	22.5-24.5
RAW VISCOSITY (ML1+4@ 100C°)	—	ASTM D-1646	42.0-52.0
COMPOUND VISCOSITY (ML1+4@ 100C°)	—	ASTM D-1646	62 max
TENSILE STRENGTH(35 MINUTES CURE)	kg/cm2	ASTM D-638	200 min
ULTIMATE ELONGATION(35 MINUTES CURE)	%	ASTM D-638	530 min
300% MODULUS (35 MINUTES CURE)	kg/cm2	ASTM D-638	79-109

Product Description

Poliran SBR 1712 is most typical grade of staining, oil extended SBR that contain 25.8~28.8 % aromatic oil (that contain about max 75 % gel aromatics) and is emulsion styrene-butadiene rubber produced by cold polymerization using a mixture of rosin potassium soap and fatty sodium soaps as emulsifiers and a staining stabilizer and a salt-acid coagulation. Poliran SBR 1712 exhibits excellent tensile strength, abrasion resistance, good mechanical properties, and good resistance to polar solvents, dilute acids and bases.

Licensors

JSR (Japanese synthetic rubber)

Typical Application

tire tread compounds, renovated tire treat compounds, conveyor belts, hoses and conventional black rubber products.

Processing Conditions

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

SBR-1712 : 412.5 (gr)

Carbon black IRB = 6. Conforming to NBS – 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: 150 ±5 oC

Cure time: 35 min

Please note that, these processing conditions are recommended by producer only for 100% Poliran SBR 1712 (not in the case of blending with any other compatible material), but because of the many particular factors which are outside our knowledge and control, and may affect the use of product, no warranty is given.

Packaging

Poliran SBR 1712 is in 35±0.5 kg bale that wrapped in PE film and every 26 bale packed in wooden box

Note: This information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.



Doc
Name:

Technical Data Sheet for **SR PRODUCTION- SBR-1712**

Page: 2 of 2

Food & Pharmaceutical Application

This product is not suitable for food & pharmaceutical uses

Storage

Poliran SBR 1712 should be stored in its original packaging in a cool, dry place at temperatures below 40°C. Exposure to light must be avoided and also other heat sources. Minimize sources of ignition, such as static build up, heat, spark or flame. Product specification guaranty for 6(six) month from product date at recommended storage condition.

Handling

Provided good ventilation and local exhaust systems are used. Avoid prolonged or repeated contact with skin. Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating. Take precautionary measures against static discharges. Electrically bond and ground all containers and equipment before transfer or use of material.

Combustibility

Stable under normal temperature conditions and recommended use. The material can burn only upon heating to temperatures at above the Decomposition temperature. Combustion products include carbon monoxide ,and flammable Aromatic and aliphatic hydrocarbons . Decomposition gases are toxic.

Note: This information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relive processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.