

SBR 1778

Styrene Butadiene Rubber (SBR)

Description

SBR 1778 is an oil extended, cold polymerized, 23.5% styrene SBR extended with 37.5 parts of a discoloring paraffinic/naphthenic oil.

SBR 1778 combines the physical properties of oil extended polymers with the colour properties of naphthenic oil and non-staining stabilizer to give a polymer suited for rubber goods which demand performance and require light color.

End Use

End uses include industrial goods such as hoses, conveyor belts, tires, molded and extruded goods

Features

- Light tan colour
- Optimum processability and physical properties

Packing

- 35 kg bales
- 30 bales per crate (1.05 MT)

Origin

Producer: LG Chemical
Country: South Korea

Raw Polymer: Chemical Analysis

Property	Unit	Typical	Specification
Bound Styrene	%	23.5	23.5 target
Volatile Matter	%	0.3	0.5 max
Ash	%	0.2	1.0 max
Organic Acid	%	5.0	-
Specific Gravity		0.92	-
Mooney Viscosity*	ML ₁	46	-

* ML 1+4 (100°C)

Test Compound Properties

Property	Unit	Target	Test Method
Tensile Strength	kg/cm ²	230	ASTM D3187/412*
Elongation	%	500	ASTM D3187/412*
300% Modulus	kg/cm ²	125	ASTM D3187/412*
ts1	min	6.0	ASTM D2084**
t'90	min	18.0	ASTM D2084**

* Cure: 35 minutes at 145°C

** 160°C, 1°Arc

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