

# SSBR 2545-M27

## Solution Styrene Butadiene Rubber -- Oil Extended

### Description

SSBR 2545-M27 is a copolymer of butadiene and styrene, produced via solution polymerization and able to vary the polymer chain composition and structure.

The high linear rubber structure allows the user to increase the filler content (carbon, precipitated silica, oil, etc.) in rubber mixtures on its base by retaining plasto-elastic and strength properties.

### End Use

In some rubber compounds, this rubber may be used as valuable replacement of BR and SBR combinations while still retaining and improving the finished product's properties.

### Packing

Available in wooden crates of 450 kg net weight. Bales are wrapped in PE foil and four-ply craft bags of about 30 kg each.

### Origin

Country: Russia

Note: The technical data listed in this publication are typical values. Therefore, there may be a slight difference between the elements of a supplied product and the data.

### Material Specifications

Property	Unit	Value	Test
Mooney Viscosity*	MU	45 - 55	ASTM D1416
Viscosity spread in lot		max 8	
Volatile Matter	%	0.5	ASTM D1416
Ash	%	0.3	ASTM D1416
Bound Styrene	%	23 - 27	NMR
1.2 Units Content (BD-Chain)	%	45 - 55	
Microblock Styrene	%	max 0.1	
Oil	%	25 - 29	

\* ML 1+4 (100°C)

### Test Compound

Property	Unit	Value	Test
Tensile Strength	Mpa	min 17	
Elongation at Break	%	360	
Modulus at 300% Elongation	%	min 8	

Astlett Rubber Inc.  
Suite 400, 277 Lakeshore Road East  
Oakville, ON L6J 1H9  
Telephone: (905) 842-2700  
Fax: (905) 842-2701  
Website: [www.astlettrubber.com](http://www.astlettrubber.com)