

BUNA SL 4518-4

Product Description

Buna® SL 4518-4 is oil extended copolymer of butadiene and styrene containing 18% of bounded styrene. It is produced by solution polymerization process using an alkyl-lithium initiator. The low vinyl content provides a low Tg which gives an excellent low temperature flexibility, abrasion

resistance and low rolling resistance. Corresponding vulcanizates of this product have superior resistance to reversion. The polymer is stabilized with non-staining antioxidants.

Buna® SL 4518-4 has excellent properties in the manufacture of tires, retreads, moulded technical parts, injected or extruded goods, surgical goods, shoe soles and automotive industry parts. In tire manufacture it is blended with NR, BR or E-SBR.

Supply Form

Bales

Polymer Properties

Property	Nominal Value with Unit	Test Method
Mooney Viscosity ML (1+4) 100 °C	45 MU	ISO 289 / ASTM D 1646
Styrene Content	18 wt %	ASTM D 5775
Oil Content	27,3 wt %	ASTM D 5774

Other Product Features

Property	Typical Value with Unit	Test Method
Density	0,93 g/cm ³	ASTM D 297
Packaging	31 kg bales wrapped in PE film; 36 bales in a box (1116 kg)	
Storage Conditions	The product should be stored dry and at temperature < 35°C. Exposure to light has to be avoided.	
Product Safety	Literature on the health and safety aspects of this product has been published. Before working with this product, personnel must be familiarised with its hazards, proper use, and handling. The available information is summarised in the Safety Data Sheet.	

These raw material properties are typical and, unless specifically indicated otherwise, are not to be considered as delivery specification.



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