

BUNA SE 1783

Product Description

Buna® SE 1783 is an Emulsion Styrene Butadiene Rubber, produced by cold emulsion polymerisation. The product is extended with 37.5 phr. RAE extender oil allowing a high filler loading incorporation in rubber compounds while keeping excellent processing behaviour. The monomers are randomly distributed in the polymer structure, while the butadiene fraction is found in its major part in the trans configuration with small fractions of cis and vinyl configurations. The product has a macrostructure with high poly-dispersions and a low to medium degree of branching. Corresponding vulcanizates have excellent resistance to reversion, good flexibility at low temperatures, while still maintaining outstanding resilience and abrasion resistance. Typical applications of Buna® SE 1783 are tires, retreads, conveyor, belts, piping, hoses, carpets, moulded products in general and shoe soles requiring excellent resistance to wear and tear.

Supply Form

Bales

Polymer Properties

Property	Nominal Value with Unit	Test Method
Mooney Viscosity ML (1+4) 100 °C	49 MU	ISO 289 / ASTM D 1646
Bound Styrene	23,5 wt %	ASTM D 5775
Oil Content	27,2 wt %	ASTM D 5774

Other Product Features

Property	Typical Value with Unit	Test Method
Density	0,94 g/cm ³	ASTM D 297
Packaging	35 kg bales wrapped in PE film; pallets of 36 bales (1260 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	

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



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