



Technical Data Sheet

Europrene®

E-SBR

1783

Styrene – Butadiene Copolymer

Europrene® 1783 is an emulsion styrene-butadiene rubber obtained by cold polymerization using a mixture of rosin acid and fatty acid soaps as emulsifiers. It is extended with RAE oil and a non-staining antioxidant is added during the production process.

Main Properties	Test Method	Unit	Typical Value
Mooney Viscosity ML 1+4(100 °C)	ASTM D 1646	MU	50
Oil content	ASTM D 5774	phr	37.5
Bound Styrene	ASTM D 5775	% wt	23.5
Organic Acid	ASTM D 5774	% wt	5
Soap	ASTM D 5774	% wt	0.4 max
Volatile matter	ASTM D 5668	% wt	0.75 max
Ash	ASTM D 5667	% wt	0.5 max

The product is free from any nitrosating agent and is essentially free from pre-formed nitrosamines and nitrosable substances.

Key Features

Europrene® 1783 is an elastomer characterized by good processability, mechanical properties and abrasion resistance. Its oil content makes it suitable for extrusion and calendering processes.

Main Applications

Tyre manufacturing and retreading, conveyor belts, hoses and other mechanical goods.

Physical Form

Brown bales wrapped in easily dispersible polyethylene film.

Packaging

Wooden crate, nominal net weight 1050 kg; 35 kg bale, 30 bales per crate (1530 x 1145 x H1090 mm).
Returnable metal crate, nominal net weight 1260 kg; 35 kg bale, 36 bales per crate (1465 x 1150 x H1123 mm).

Storage Conditions

Store in a vented, dry area at temperatures between 20°C and 30°C; with no direct sunlight.
Shelf life: 18 months minimum.

