



versalis

Technical Data Sheet

EUROPRENE®

E-SBR

1778

Styrene - Butadiene Copolymer

Europrene® 1778 is an emulsion styrene-butadiene rubber obtained by cold polymerisation using a mixture of rosin acid and fatty acid soaps as emulsifiers.

It is made at the Ravenna production facility in Italy.

It is a medium bound styrene copolymer extended with **naphthenic oil**.

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	49
Bound Styrene	ASTM D 5775	% wt	23.5
Oil content	ASTM D 5774	phr	37.5
Organic Acid	ASTM D 5774	% wt	5
Soap	ASTM D 5774	% wt	0.3 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 essentially free from pre-formed nitrosamines and nitrosable substances.

Key Features

E-SBR is a general purpose rubber characterised by good processability, mechanical properties and abrasion resistance.

It has a limited resistance to oil and weather but properly compounded, it is suitable for use in outdoor applications.

Europrene® 1778 combines excellent processability and easier incorporation of high filler loading with the light color properties of naphthenic oil.

Main Applications

Footwear, flooring, microcellular articles, hoses, light coloured goods.

Physical Form

Yellow - light 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.

