



versalis

Technical Data Sheet

EUROPRENE® E-SBR

1739

Styrene - Butadiene Copolymer

Europrene® 1739 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 high bound styrene copolymer extended with **TDAE 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	52
Bound Styrene	ASTM D 5775	% wt	40
Oil content	ASTM D 5774	phr	37.5
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 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® 1739 is the TDAE oil extended alternative to Europrene® 1721.

Due to the plasticizing influence of the safe oil, Europrene® 1739 shows a better processing behaviour, an improved abrasion resistance and a slight decrease in wet grip compared to Europrene® 1721.

Main Applications

Tyre tread.

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.

