



## Technical Data Sheet

# Europrene®

E-SBR

# 1789

Styrene – Butadiene Copolymer

Europrene® 1789 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	55
Oil content	ASTM D 5774	phr	37.5
Bound Styrene	ASTM D 5775	% wt	40
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® 1789 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

High hysteresis tyre tread compounds with improved wet road grip.

## 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.

