

Europrene® 1723

Emulsion Styrene Butadiene Rubber

Versalis S.p.A.

Message:

Europrene ® 1723 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 TDAE oil.

A non-staining antioxidant is added during the production process.

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 ® 1723 is the TDAE oil extended alternative to Europrene ® 1712.

Due to the lower oil Tg, Europrene ® 1723 shows a slight advantage in rolling resistance performance compared to Europrene ® 1712.

Main Applications

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

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	General Purpose		
	Good Abrasion Resistance		
	Good Processability		
Uses	Belts/Belt Repair		
	Conveyor Parts		
	General Purpose		
	Hose		
	Tire Repair		
Forms	Bale		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	48	MU	ASTM D1646
Bound Styrene	23.5	%	ASTM D5775
Oil Type (TDAE Oil)	37.5	phr	ASTM D5774
Ash Content	< 0.5	wt%	ASTM D5667
Organic Acid	5.0	wt%	ASTM D5774
Soap	< 0.4	wt%	ASTM D5774
Volatile Matter	< 0.75	wt%	ASTM D5668

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