

Polimeri Europa Europrene® 1712 Emulsion Styrene-Butadiene Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Styrene Butadiene Rubber

Material Notes:

Europrene® 1712 is an emulsion styrene-butadiene rubber obtained by cold polymerization using a mixture of rosin acid and fatty acid soaps as emulsifiers. It is a medium bound styrene copolymer extended with aromatic oil. Key Features: E-SBR is a general purpose rubber characterized by good processability, mechanical properties and abrasion resistance. It has limited resistance to oil and weather but properly compounded, it is suitable for use in outdoor applications. Due to its high molecular weight and aromatic oil extension, Europrene® 1712 exhibits superior mechanical properties and easier incorporation of high filler loading, maintaining good processability. Main Applications: Tire manufacturing and retreading, conveyor belts, hoses and other mechanical goods. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Europrene-1712-Emulsion-Styrene-Butadiene-Rubber.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D5668
Mooney Viscosity	51 @Temperature 100 °C	51 @Temperature 212 °F	ASTM D1646
Ash	<= 0.50 %	<= 0.50 %	ASTM D5667

Chemical Properties	Metric	English	Comments
Styrene Content	23.5 %	23.5 %	Bound; ASTM D5775

Descriptive Properties	Value	Comments
Oil Content (phr)	37.5	ASTM D5774
Organic Acid	5% wt	ASTM D5774
Soap	< 0.5% wt	

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