

Polimeri Europa Europrene® 5553 T Emulsion Styrene-Butadiene Rubber

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

Material Notes:

Europrene® 5553 T 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 high bound styrene copolymer extended with TDAE 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 the high molecular weight and the high percentage of oil, Europrene® 5553 T shows a good miscibility and excellent processing properties during extrusion and calendaring. Main Applications: Tire tread. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Europrene-5553-T-Emulsion-Styrene-Butadiene-Rubber.php

Physical Properties	Metric	English	Comments
Volatiles	<= 0.75 %	<= 0.75 %	ASTM D5668
Mooney Viscosity	53 @Temperature 100 °C	53 @Temperature 212 °F	ASTM D1646
Ash	<= 1.0 %	<= 1.0 %	ASTM D5667

Chemical Properties	Metric	English	Comments
Styrene Content	40 %	40 %	Bound; ASTM D5775

Descriptive Properties	Value	Comments
Oil Content (phr)	42	ASTM D5774
Organic Acid	6% wt	ASTM D5774
Soap	< 0.7% wt	

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