

Europrene® SOL T 6306

Styrene Butadiene Styrene Block Copolymer

Versalis S.p.A.

Message:

Europrene® SOL T 6306 is a radial block copolymer obtained by anionic polymerisation. The polymer is based on styrene and butadiene, where bound styrene is 37 % wt.

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

Key Features

Europrene® SOL T 6306 is a block copolymer designed for bitumen modification in waterproofing membranes applications. The grade imparts excellent mechanical properties and elasticity to the modified bitumen. The radial structure and the high styrene block content assure outstanding performance under service conditions, particularly in the high temperature range.

Main Applications

Bitumen modification in waterproofing systems, formulated compounds for shoe soles and technical goods

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
	High Elasticity		
	High Heat Resistance		
Uses	Asphalt Modification		
	Compounding		
	Footwear		
	Membranes		
Forms	Pellets		
	Powder		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	< 1.0	g/10 min	ASTM D1238
Bound Styrene	37.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	1.60	MPa	ASTM D412
Tensile Strength	29.0	MPa	ASTM D412
Tensile Elongation (Break)	1100	%	ASTM D412
Fill Analysis	Nominal Value	Unit	Test Method
Brookfield Viscosity - Toluene sol., 25% wt	22.0	Pa · s	ASTM D1084
Shelf Life			
Pellet	18	month	

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