

Europrene® SOL T 166

Styrene Butadiene Styrene Block Copolymer

Versalis S.p.A.

Message:

Europrene® SOL T 166 is a linear block copolymer obtained by anionic polymerisation. The polymer is based on styrene and butadiene, where bound styrene is 30 % wt.

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

Key Features

Europrene® SOL T 166 is a linear block copolymer, providing excellent dispersability and processability, combined with high strength and elasticity.

Main Applications

Characterized by the excellent dispersability and processability, the grade is widely used in adhesive formulated products, in compounding for both footwear and technical applications and as a toughening agent in polymer modification and plastic recycling. The grade is also suitable for bitumen modification in both waterproofing membranes and road pavement applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
	Dispersible		
	Good Processability		
	High Elasticity		
	High Strength		
Uses	Adhesives		
	Asphalt Modification		
	Compounding		
	Footwear		
	Membranes		
	Plastics Modification		
Forms	Pellets		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Bound Styrene	30.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	72		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.50	MPa	ASTM D412
Tensile Strength	20.0	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Fill Analysis	Nominal Value	Unit	Test Method

Brookfield Viscosity - Toluene sol., 25% wt	1.30	Pa·s	ASTM D1084
Shelf Life	18	month	

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