

Europrene® SOL T 6302

Styrene Butadiene Styrene Block Copolymer

Versalis S.p.A.

Message:

Europrene® SOL T 6302 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 6302 is a linear block copolymer, providing excellent mechanical properties, high strength and elasticity, combined with good dispersability and processability.

Main Applications

Used in bitumen modification, particularly in road paving applications, in compounding for both footwear and technical goods, and in adhesive applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
	Dispersible		
	Good Processability		
	High Elasticity		
Uses	High Strength		
	Adhesives		
	Asphalt Modification		
	Compounding		
	Footwear		
Forms	Pellets		
	Powder		
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)	< 1.0	g/10 min	ASTM D1238
Bound Styrene	30.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		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)	750	%	ASTM D412
Fill Analysis	Nominal Value	Unit	Test Method

Brookfield Viscosity - Toluene sol., 25% wt	4.00	Pa·s	ASTM D1084
Shelf Life			
Pellet	18	month	
Powder	8	month	

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