

Europrene® SOL T 161B

Styrene Butadiene Styrene Block Copolymer

Versalis S.p.A.

Message:

Europrene® SOL T 161B is a radial 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 161B is a block copolymer with radial molecular structure, providing excellent mechanical properties, high strength and elasticity in a wide range of formulated products.

Main Applications

Used in bitumen modification in waterproofing membranes, road pavement and pipe coating applications. Also used as a high strength base in formulated compounds for footwear and technical applications, the grade could be suitable for adhesives and plastic modification.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
	High Elasticity		
	High Strength		
Uses	Adhesives		
	Asphalt Modification		
	Compounding		
	Footwear		
	Membranes		
	Pipe Coatings		
	Plastics Modification		
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)	82		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.50	MPa	ASTM D412
Tensile Strength	18.0	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412

Fill Analysis	Nominal Value	Unit	Test Method
Brookfield Viscosity - Toluene sol., 25% wt	20.0	Pa·s	ASTM D1084
Shelf Life			
Pellet	18	month	
Powder	8	month	

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