

Europrene® SOL T 6205

Styrene Butadiene Styrene Block Copolymer

Versalis S.p.A.

Message:

Europrene® SOL T 6205 is a radial block copolymer obtained by anionic polymerisation. The polymer is based on styrene and butadiene, where bound styrene is 25 % wt and diblock content is 15%. A non-staining antioxidant system is added during the production process.

Key Features

Europrene® SOL T 6205 is a block copolymer with radial molecular structure and low styrene content. The grade provides easy processability and excellent mechanical properties and elasticity.

Main Applications

Europrene® SOL T 6205 is designed for the modification of bitumen in road paving applications. The easy processability and the excellent compatibility with bitumen, greatly improve the binders performance, particularly at low service temperatures.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
	Good Processability		
	High Elasticity		
Uses	Asphalt Modification		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	< 1.0	g/10 min	ASTM D1238
Bound Styrene	25.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	68		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.00	MPa	ASTM D412
Tensile Strength	4.00	MPa	ASTM D412
Tensile Elongation (Break)	440	%	ASTM D412
Fill Analysis	Nominal Value	Unit	Test Method
Brookfield Viscosity - Toluene sol., 25% wt	7.70	Pa · s	ASTM D1084
Diblock Content	15.0	wt%	
Shelf Life	18	month	

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