

Europrene® SOL TH 2314

Styrene Ethylene Butylene Styrene Block Copolymer

Versalis S.p.A.

Message:

Europrene® SOL TH 2314 is a linear block copolymer obtained by selective hydrogenation of styrene-butadiene-styrene block copolymers. The polymer is based on styrene and ethylene/butylene, where bound styrene content is 31%wt. A non-staining, TNPP free antioxidant system is added during the production process.

Key Features

Europrene® SOL TH 2314 is a linear triblock copolymer of medium-high molecular weight, designed for technical compounding applications. The grade is characterized by excellent processability, mechanical properties and ageing resistance.

Main Applications

Europrene® SOL TH 2314 is designed for technical compound applications. High performance compounds based on Europrene® SOL TH 2314 show excellent elastic and tensile characteristics, in a wide range of flowability and hardness. SOL TH 2314 could also be used in polymer modification.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
	Good Processability		
	High Elasticity		
	Medium Molecular Weight		
Uses	Compounding		
	Plastics Modification		
Forms	Pellets		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	< 1.0	g/10 min	ASTM D1238
Bound Styrene	31.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	4.00	MPa	ASTM D412
Tensile Strength	24.0	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Additional Information	Nominal Value	Unit	
Shelf Life	24	month	

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