

Europrene® SOL T 6434

Styrene Butadiene Styrene Block Copolymer

Versalis S.p.A.

Message:

Europrene® SOL TE 6434 is a radial block copolymer obtained by anionic polymerisation. The polymer is based on styrene and butadiene, where bound styrene content is 40 % wt and diblock content is 45 %. A non-staining, TNPP free antioxidant system is added during the production process.

Key Features

Europrene® SOL TE 6434 is a high styrene, radial structure block copolymer designed for hot melt adhesive applications where an optimum balance of adhesive and cohesive properties is required, together with low melt viscosities

Main Applications

The polymer is designed for demanding hot melt adhesive applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
	Low Viscosity		
Uses	Adhesives		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	15	g/10 min	ASTM D1238
Bound Styrene	40.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	87		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	3.10	MPa	ASTM D412
Tensile Strength	20.0	MPa	ASTM D412
Tensile Elongation (Break)	1000	%	ASTM D412
Fill Analysis	Nominal Value	Unit	Test Method
Brookfield Viscosity - Toluene sol., 25% wt	350	mPa · s	ASTM D1084
Diblock Content	45.0	wt%	
Shelf Life	18	month	

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