

Polimeri Europa Europrene® SOL T 6414 Styrene - Butadiene Block Copolymer

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene/Butadiene/Styrene (SBS)

Material Notes:

Europrene® SOL T 6414 is a radial block copolymer obtained by anionic polymerization. The polymer is based on styrene and butadiene, where bound styrene is 40% weight and diblock content is 22%. A non-staining antioxidant system is added during the production process.

Key Features: Europrene® SOL T 6414 is a radial block copolymer, characterized by excellent dispersability, processability and thermo-oxidative resistance, combined with high strength, elongation and hardness.

Main Applications: Europrene® SOL T 6414 is designed for hot melt adhesive applications: the grade shows high compatibility with tackifiers and imparts low melt viscosities and an excellent balance of adhesive and cohesive properties to the hot melt products. The grade is also used in footwear compounds, particularly where smooth and glossy surface finishing is required. Characterized by excellent processability, SOL T 6414 is widely used in the modification of polymers and plastic recycling.

Information provided by Polimeri Europa. Mechanical properties measured on ASTM D 4703 compression molded samples.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Europrene-SOL-T-6414-Styrene-Butadiene-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D792
Brookfield Viscosity	0.040 cP	0.040 cP	Toluene sol., 25% wt; ASTM D1084
Melt Flow	11 g/10 min @Load 5.00 kg, Temperature 190 °C	11 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	ASTM D2240
Tensile Strength at Break	26.0 MPa	3770 psi	ASTM D412
Elongation at Break	850 %	850 %	ASTM D412
300% Modulus	0.00390 GPa	0.566 ksi	ASTM D412

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