



versalis

Technical Data Sheet

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EUROPRENE[®]

SBS

SOL T 6414

Styrene - Butadiene Block Copolymer

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

| Properties | Test Method | Unit | Typical Value | |
|-----------------------------------|-------------|----------|---------------|------------------------|
| Specific gravity | ASTM D 792 | g/cc | 0.95 | |
| Tensile strength | ASTM D 412 | MPa | 26.0 | |
| Elongation at break ¹⁾ | ASTM D 412 | % | 850 | |
| 300% Modulus ¹⁾ | ASTM D 412 | MPa | 3.9 | |
| Hardness ¹⁾ | ASTM D 2240 | Sh A | 88 | |
| Melt Flow Index | ASTM D 1238 | g/10 min | 11.0 | (190°C, 5 Kg) |
| Brookfield Viscosity | ASTM D 1084 | Pa .s | 0.4 | (Toluene sol., 25% wt) |

1) Measured on ASTM D 4703 compression molded specimens

Key Features

Europrene[®] SOL T 6414 is a radial block copolymer, characterised 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 the excellent processability, SOL T 6414 is widely used in the modification of polymers and in plastic recycling.

Physical Form

The product is supplied from Ravenna Plant (Italy) in pellet form

Packaging

Available in bags on pallet, big bags and wooden crates. For detailed information, please refer to your versalis representative

Storage Conditions

Store the preparation in a covered place in sealed packaging, away from sunlight and heat sources. Ensure the proper ventilation in all storage areas.

Shelf life : 18 months

Please consult the relevant safety data sheet for more detailed information. The information and data presented herein are to the best of our knowledge true and accurate, but no warranty or guarantee, expressed or implied, is made nor is any liability accepted with respect to the use of such information and data.