

SOLPLAST TC 6000C

Styrene Butadiene Styrene Block Copolymer

UTEKSOL d.o.o.

Message:

Is a commercial name for thermoplastic elastomers (TPE - S) based on SBS (styrene - butadiene - styrene) block copolymers, gathered with mixing SBS. elastomers with polystyroles (GPPS, HIPS, EVA). Depending upon surface appearance and phisical characteristics can be used for all kinds of injectionmoulded soles.

Resistance to acid, bases and all aqueous solutions is excellent.

Resistance to alcohol and glycols is medium good.

Resistance to aromatic hydrocarbons, fat and of oil is bad.

All "SOLPLASTS" have a good electric-volume resistance: thats more then 1e12 ohm-cm.

For coloring masters are used on a polyolefine base (PE, EVA).

SERIES 6000

Compounds with reduced density mat surface with good-looking effect.

Expanded surface look

Suitable for betweensoles and thick soles

Achieving very fine expanded surfaces

| General Information | | | |
|--------------------------|-------------------|-------------------|-------------|
| Features | Acid Resistant | | |
| | Base Resistant | | |
| Uses | Footwear | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.550 to 0.650 | g/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 56 to 65 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 4.50 to 6.50 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 670 to 690 | % | ISO 527-2 |
| Abrasion | 400 to 460 | mm ³ | |

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