

SOLPLAST TC 5000C

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 5000

High-class standard compounds:

Mat or shine-neutral surface with excelent rubber-looked effect

Expanded or compact or compact surface look

Suitable for demanding soles of all kind thickness

Achieving very good optically clean surfaces

| General Information | | | |
|--------------------------|-------------------|-------------------|-------------|
| Features | Acid Resistant | | |
| | Base Resistant | | |
| Uses | Footwear | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.950 to 0.990 | g/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 56 to 75 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 4.70 to 5.70 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 650 to 660 | % | ISO 527-2 |
| Abrasion | 200 to 240 | mm ³ | |

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