

# SOLPLAST TC 5000B

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 <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	56 to 80		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 <sup>3</sup>	

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## Recommended distributors for this material

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