

SOLPLAST TC 4000D

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 physical 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: that's more than 1×10^{12} ohm-cm.

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

SERIES 4000

Mat or shine-mat surface with good expressed rubber-looked effect

Expanded or compact surface look.

Suitable for medium demanded thin and thick soles.

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 80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	4.50 to 5.50	MPa	ISO 527-2
Tensile Strain (Break)	600 to 610	%	ISO 527-2
Abrasion	210 to 250	mm ³	

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