

SOLPLAST TC 1000B

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 1000

Transparent and half transparent (crep) compound

Extended or company realization

Suitable for more demanding roles

General Information			
Features	Acid Resistant		
	Base Resistant		
Uses	Footwear		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.930 to 0.970	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	52 to 65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	5.00 to 6.00	MPa	ISO 527-2
Tensile Strain (Break)	750	%	ISO 527-2
Abrasion	140 to 180	mm ³	

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