

SOLPLAST TH 9000D

Styrene Butadiene Styrene Block Copolymer

UTEKSOL d.o.o.

Message:

Is a commercial name for thermoplastic elastomers (TPE - S) based on SBS, SEBS (styrene - butadiene - styrene; styrene - ethylene butadiene - styrene) block copolymers, gathered with mixing SBS, SEBS, ... elastomers with polyolefines such as PP, PE, EVA, ...

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.

Resistance round series upwards loosely increases.

All "SOLPLASTS" have a good electric-volume resistance: that's more than 1012 ohm-cm.

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

SERIES 9000

Technical compound on SEBS block copolymers base;

Different physical characteristics and optics considering purpose of use.

Work temperature between -50°C and 80°C, very shortly up to 110°C.

Due to their saturated chemical structure are very useful for wide spectrum of products, where high stability to the light and weather impact is requiring.

It can replace PVC, vulcanised rubber or TPE-V very well, in mentioned field of use.

9000 D

2 K injection moulding to polar and unpolar layers.

General Information			
Features	Acid Resistant		
	Base Resistant		
	Good Weather Resistance		
	Light Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980 to 1.12	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	10 to 30	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	40 to 80		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Compression Set (72°C, 23 hr)	60 to 70	%	ISO 815

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