

Dryflex® 500450S

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

The 500S series is very favourable when transparency and good scratch resistance are required, as well as when there are high surface finish requirements. Unfilled grades have excellent flow and mechanical properties, such as elongation, compression set, tensile and tear strength. The low density entails lower weight compared to the 600S and 660S series. Unfilled compounds are available in hardness from 0 Shore A to 55 Shore D in translucent and black colours but they can easily be coloured in any shade.

General Information			
Features	Bondability		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Weather Resistance		
	Scratch Resistant		
Appearance	Translucent		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Molding Shrinkage	0.80 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	6.00	MPa	
100% Strain	1.00	MPa	
300% Strain	2.00	MPa	
Tensile Elongation (Break)	> 600	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	18.0	kN/m	ASTM D624
Compression Set (23°C, 72 hr)	10	%	ASTM D395
Thermal	Nominal Value	Unit	
Service Temperature	-50 to 125	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 210	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

