

Dryflex® 600450S

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

The most significant features of the 600S series are the improved heat stability and that the material enables an easy and secure pigmenting for the customer. A filled material reduces the stickiness and sink marks on thick details but has limited scratch resistance. Compounds in the 600S series are available in hardness from 25 Shore A to 90 Shore A in natural 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		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	15	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)	13	%	ASTM D395
Thermal	Nominal Value	Unit	
Service Temperature	-50 to 125	°C	
Overmold Bonding - to PP	Excellent		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 210	°C	

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Recommended distributors for this material

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