

ENSOFIT SM-141-45A

Styrene Ethylene Butylene Styrene Block Copolymer

ENPLAST, a Ravago Group Company

Message:

ENSOFIT SM-141-45A is a styrene-ethylene-butylene-styrene block copolymer (SEBS) product, which contains mineral fillers. It can be processed by injection molding and is available in North America or Europe.

Features include:

environmental protection/green

Good processability

Good UV resistance

heat stabilizer

UV stability

General Information			
Filler / Reinforcement	Mineral filler		
Additive	heat stabilizer		
	UV stabilizer		
Features	High elasticity		
	Good UV resistance		
	Recyclable materials		
	Workability, good		
	Good coloring		
	Thermal Stability		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 2781
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 3 sec)	45		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% strain	1.20	MPa	ISO 37
300% strain	2.00	MPa	ISO 37
Tensile Stress (Break)	5.00	MPa	ISO 37
Tensile Elongation (Break)	700	%	ISO 37
Tear Strength - Across Flow	25	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	15	%	ASTM D395B
70°C, 22 hr	31	%	ASTM D395B
Thermal	Nominal Value	Unit	

Brittleness Temperature	-55.0	°C
Service Temperature		
Maximum Dynamic	90	°C
Maximum Static	110	°C
Injection	Nominal Value	Unit
Hopper Temperature	150 - 160	°C
Rear Temperature	160 - 170	°C
Front Temperature	170 - 180	°C
Nozzle Temperature	185 - 190	°C
Processing (Melt) Temp	190 - 200	°C
Mold Temperature	10.0 - 50.0	°C
Injection instructions		

Maximum Allowable Melt Temperature: 250°C

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Recommended distributors for this material

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