



ENSOFIT SO-641-65A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

Special, high flow SEBS series for injection moulding

Additive Packages :

D / Heat and UV stabilizer and lubricant

Key Features :

Rubberlike elasticity

Ease of coloring by proper MB (PE,PP,etc. based)

Ease of processing (no pre-drying requested)

Recyclability

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Heat Stabilizer	• Lubricant	• UV Stabilizer
Features	• Chemical Resistant	• Heat Stabilized	• Lubricated
	• Good Colorability	• High Elasticity	• Recyclable Material
	• Good Processability	• High Flow	• UV Stabilized
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 2781
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.00	MPa	ISO 37
Tensile Stress (300% Strain)	3.00	MPa	ISO 37
Tensile Stress (Break)	8.50	MPa	ISO 37
Tensile Elongation (Break)	750	%	ISO 37
Tear Strength - Across Flow	40.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	20	%	
70°C, 22 hr	35	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	65		ISO 868
Thermal	Nominal Value	Unit	
Brittleness Temperature	-55.0	°C	
Service Temperature			
Dynamic	90	°C	
Static	110	°C	

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Injection	Nominal Value	Unit
Hopper Temperature	150 to 160	°C
Middle Temperature	160 to 170	°C
Front Temperature	170 to 180	°C
Nozzle Temperature	185 to 190	°C
Processing (Melt) Temp	190 to 200	°C
Mold Temperature	10 to 50	°C

Injection Notes

Max Allowable Melt Temperature: 250°C

Notes

¹ Typical properties: these are not to be construed as specifications.