ENSOFT SO-320-65A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is produced with food contact compliant raw materials, low mineral filled, high performance and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages :
T / Heat and UV stabilizer

Key Features :
Excellent ozone, UV and weathering resistance
Rubberlike elasticity in a wide temperature range
Low compression set
Easy colorability with proper MB (PE, PP, etc. based)

Process Method :
Injection/multi injection molding

Uses :
Industrial applications, automotive, consumer goods, home&kitchen appliances

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Mineral		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant • Food Contact Acceptable • Good Colorability • Good Weather Resistance	• Heat Stabilized • High Elasticity • Low Compression Set • Ozone Resistant	• Recyclable Material • UV Resistant • UV Stabilized
Uses	• Appliances • Automotive Applications	• Consumer Applications • Industrial Applications	
Processing Method	• Injection Molding	• Multi Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm³	ISO 1183/A
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	2.10	MPa	ISO 37
Tensile Stress (300% Strain)	2.80	MPa	ISO 37
Tensile Stress (Break)	8.70	MPa	ISO 37
Tensile Elongation (Break)	760	%	ISO 37
Tear Strength - Across Flow	37.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	22	%	
70°C, 22 hr	42	%	

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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	135	°C

Processing Information

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.