ENSOFT SX-161-90A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and suitable for general purpose applications. 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
Super high flow for difficult injection molding applications
Easy colorability with proper MB (PE, PP, etc. based)

Process Method :
Injection/multi injection molding

Uses :
Industrial applications, automotive, personal care, toys, 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 • Good Colorability • Good Weather Resistance • Heat Stabilized	• High Elasticity • High Flow • Ozone Resistant • Recyclable Material	• UV Resistant • UV Stabilized
Uses	• Appliances • Automotive Applications	• Consumer Applications • Industrial Applications	• Personal Care • Toys
Processing Method	• Injection Molding	• Multi Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183/A
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	4.20	MPa	ISO 37
Tensile Stress (300% Strain)	5.20	MPa	ISO 37
Tensile Stress (Break)	10.0	MPa	ISO 37
Tensile Elongation (Break)	580	%	ISO 37
Tear Strength - Across Flow	57.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	39	%	
70°C, 22 hr	71	%	

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Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	90		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	170 to 180	°C
Middle Temperature	180 to 190	°C
Front Temperature	190 to 200	°C
Nozzle Temperature	200 to 210	°C
Processing (Melt) Temp	210 to 220	°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.