ENSOFT SX-400-55A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

Friday, March 6, 2026

General Information

Product Description

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

Additive Packages :
T / Heat and UV stabilizer

Key Features :
Transparent
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, personal care, toys, consumer goods

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant • Food Contact Acceptable • Good Colorability • Good Weather Resistance	• Heat Stabilized • High Elasticity • High Flow • Ozone Resistant	• Recyclable Material • UV Resistant • UV Stabilized
Uses	• Consumer Applications • Industrial Applications	• Personal Care • Toys	
Appearance	• Clear/Transparent		
Processing Method	• Injection Molding	• Multi Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183/A
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	1.30	MPa	ISO 37
Tensile Stress (300% Strain)	1.90	MPa	ISO 37
Tensile Stress (Break)	6.40	MPa	ISO 37
Tensile Elongation (Break)	650	%	ISO 37
Tear Strength - Across Flow	33.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	28	%	
70°C, 22 hr	45	%	

the data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. no liability, warranty or guarantee of product performance is created by this document. ravago industrial quality compounds are totally or partially produced with non-prime quality ingredients. even though the selection of the raw materials, the production and the quality control is being done following to the common best practices, it is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	55		ISO 868

Thermal	Nominal Value	Unit
Brittleness Temperature	-55.0	°C
Service Temperature		
Dynamic	90	°C
Static	110	°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.

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