



ENSOFT SD-161-50A

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

Easy colorability with proper MB (PE, PP, etc. based)

Process Method :

Extrusion, coextrusion, sheet extrusion

Uses :

Extruded parts (seals, tubes, profiles, hoses, etc.) for automotive, construction, home appliances, furniture

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Mineral		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• Chemical Resistant	• Heat Stabilized	• Recyclable Material
	• Good Colorability	• High Elasticity	• UV Resistant
	• Good Weather Resistance	• Ozone Resistant	• UV Stabilized
Uses	• Appliances	• Furniture	• Seals
	• Automotive Applications	• Hose	• Tubing
	• Construction Applications	• Profiles	
Processing Method	• Coextrusion	• Extrusion	• Sheet Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183/A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.20	MPa	ISO 37
Tensile Stress (300% Strain)	1.70	MPa	ISO 37
Tensile Stress (Break)	5.10	MPa	ISO 37
Tensile Elongation (Break)	710	%	ISO 37
Tear Strength - Across Flow	29.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	20	%	
70°C, 22 hr	37	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	50		ISO 868

ENSOFTE SD-161-50A

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

Processing Information		
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	170 to 190	°C
Cylinder Zone 3 Temp.	180 to 195	°C
Cylinder Zone 5 Temp.	195 to 205	°C
Adapter Temperature	200 to 210	°C
Die Temperature	200 to 220	°C

Notes

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