



# ENSOFT SO-161-80A

## 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 :

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	• Heat Stabilized	• Recyclable Material
	• Good Colorability	• High Elasticity	• UV Resistant
	• Good Weather Resistance	• Ozone Resistant	• UV Stabilized
Uses	• Appliances	• Consumer Applications	• Personal Care
	• Automotive Applications	• Industrial Applications	• Toys
Processing Method	• Injection Molding	• Multi Injection Molding	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm <sup>3</sup>	ISO 1183/A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.70	MPa	ISO 37
Tensile Stress (300% Strain)	3.80	MPa	ISO 37
Tensile Stress (Break)	9.00	MPa	ISO 37
Tensile Elongation (Break)	610	%	ISO 37
Tear Strength - Across Flow	48.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	30	%	
70°C, 22 hr	59	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	80		ISO 868

# ENSOFIT SO-161-80A

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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

<sup>1</sup> Typical properties: these are not to be construed as specifications.