



# ENSOFT SD-641-85A

## Ravago Manufacturing Turkey - Thermoplastic Elastomer

### General Information

#### Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and specifically designed for extrudability at low temperatures. ENSOFT® series can be processed with conventional thermoplastics machinery

#### Additive Packages :

D / Heat and UV stabilizer and lubricant

#### Key Features :

- Excellent ozone, UV and weathering resistance
- Extra smooth, silky surface appearance
- Rubberlike elasticity in a wide temperature range
- Ease of processing at lower temperatures
- 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	• Lubricant	• UV Stabilizer
Features	• Chemical Resistant	• Good Weather Resistance	• Ozone Resistant
	• Good Colorability	• Heat Stabilized	• Recyclable Material
	• Good Processability	• High Elasticity	• UV Resistant
	• Good Surface Finish	• Lubricated	• UV Stabilized
Uses	• Appliances	• Furniture	• Seals
	• Automotive Applications	• Hose	• Tubing
	• Construction Applications	• Profiles	
Processing Method	• Coextrusion	• Extrusion	• Sheet Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm <sup>3</sup>	ISO 1183/A

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<b>Elastomers</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress (100% Strain)	2.40	MPa	ISO 37
Tensile Stress (300% Strain)	6.00	MPa	ISO 37
Tensile Stress (Break)	10.8	MPa	ISO 37
Tensile Elongation (Break)	700	%	ISO 37
Tear Strength - Across Flow	56.0	kN/m	ISO 34-1
Compression Set			ASTM D395B
23°C, 72 hr	28	%	
70°C, 22 hr	63	%	
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Shore Hardness (Shore A, 3 sec)	85		ISO 868
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	
Brittleness Temperature	-55.0	°C	
Service Temperature			
Dynamic	90	°C	
Static	110	°C	

**Processing Information**

<b>Extrusion</b>	<b>Nominal Value</b>	<b>Unit</b>
Cylinder Zone 1 Temp.	150 to 170	°C
Cylinder Zone 3 Temp.	160 to 175	°C
Cylinder Zone 5 Temp.	170 to 180	°C
Adapter Temperature	180 to 190	°C
Die Temperature	180 to 200	°C

**Notes**

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