



# ENSOFT SD-150-50D

## Ravago Manufacturing Turkey - Thermoplastic Elastomer

### General Information

#### Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and specifically designed for static parts of co-extruded seals. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages :

T / Heat and UV stabilizer

Key Features :

Good ozone and UV resistance

Easy processing

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

Process Method :

Extrusion, coextrusion, sheet extrusion

Uses :

Extrusion systems for construction, furniture and automotive

#### General

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

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

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm <sup>3</sup>	ISO 1183/A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	10.0	MPa	ISO 37
Tensile Stress (300% Strain)	11.5	MPa	ISO 37
Tensile Stress (Break)	14.0	MPa	ISO 37
Tensile Elongation (Break)	> 450	%	ISO 37
Tear Strength - Across Flow	110	kN/m	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	50		ISO 868

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Thermal	Nominal Value	Unit
Brittleness Temperature	-55.0	°C
Service Temperature		
Dynamic	90	°C
Static	135	°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

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