



# ENSOFT SD-161-45D

## Ravago Manufacturing Turkey - Thermoplastic Elastomer

### General Information

#### Product Description

Standard, high mineral filled SEBS series

Additive Packages :

T / Heat and UV stabilizer

Key Features :

Rubberlike elasticity

Ease of coloring by proper MB (PE,PP,etc. based)

Medium compression set

Ease of processing

Recyclability

#### 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 Stabilized • Good Processability • Medium Compression Set
Processing Method	• Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm <sup>3</sup>	ISO 2781
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	93.0	mm <sup>3</sup>	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	11.0	MPa	ISO 37
Tensile Stress (300% Strain)	12.0	MPa	ISO 37
Tensile Stress (Break)	15.0	MPa	ISO 37
Tensile Elongation (Break)	500	%	ISO 37
Tear Strength - Across Flow	102	kN/m	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	45		ISO 868
Thermal	Nominal Value	Unit	
Brittleness Temperature	-55.0	°C	
Service Temperature			
Dynamic	90	°C	
Static	135	°C	

## ENSOFTE SD-161-45D

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#### Processing Information

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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

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#### Injection Notes

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Max Allowable Melt Temperature: 250°C

#### Notes

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