



# ENSOFT SO-160-80A

## Ravago Manufacturing Turkey - Thermoplastic Elastomer

### General Information

#### General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Ozone Resistant	• UV Resistant
Processing Method	• Injection Molding	

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

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	4.10	MPa	ISO 37
Tensile Stress (300% Strain)	5.50	MPa	ISO 37
Tensile Stress (Break)	7.50	MPa	ISO 37
Tensile Elongation (Break)	500	%	ISO 37
Compression Set			ASTM D395B
23°C, 22 hr	29	%	
70°C, 22 hr	62	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	80		ISO 868

#### Additional Information

The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.

Tear Strength, ISO 34-2: 50 kN/m

Ozone Resistance, ISO 1431: No Crack

### Processing Information

Injection	Nominal Value	Unit
Rear Temperature	150 to 160	°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
Screw L/D Ratio	20.0:1.0	
Screw Compression Ratio	2.5:1.0	

#### Notes

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