ENSOFT SO-160-55A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

Friday, March 6, 2026

General Information

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

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	1.20	MPa	ISO 37
Tensile Stress (300% Strain)	1.90	MPa	ISO 37
Tensile Stress (Break)	4.50	MPa	ISO 37
Tensile Elongation (Break)	680	%	ISO 37
Compression Set			ASTM D395B
23°C, 22 hr	16	%	
70°C, 22 hr	49	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	55		ISO 868

Additional Information

The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.
Tear Strength, ISO 34-2: 19 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	
Extrusion	**Nominal Value**	**Unit**
Drying Temperature	90	°C
Drying Time	1.0	hr
Cylinder Zone 1 Temp.	170	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	190	°C
Cylinder Zone 4 Temp.	195	°C
Cylinder Zone 5 Temp.	200	°C

the data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. no liability, warranty or guarantee of product performance is created by this document. ravago industrial quality compounds are totally or partially produced with non-prime quality ingredients. even though the selection of the raw materials, the production and the quality control is being done following to the common best practices, it is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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Extrusion Notes
Machine Capacity, 30 mm cylinder diameter: 15 to 20 kg/hr
Machine Capacity, 45 mm cylinder diameter: 60 to 85 kg/hr
Machine Capacity, 60 mm cylinder diameter: 100 to 150 kg/hr
Machine Capacity, 90 mm cylinder diameter: 225 to 300 kg/hr

Notes

[1] Typical properties: these are not to be construed as specifications.

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