ENSOFT SO-160-90A

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	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	5.50	MPa	ISO 37
Tensile Stress (300% Strain)	6.50	MPa	ISO 37
Tensile Stress (Break)	8.50	MPa	ISO 37
Tensile Elongation (Break)	480	%	ISO 37
Compression Set			ASTM D395B
23°C, 22 hr	30	%	
70°C, 22 hr	65	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	90		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
Abrasion Resistance, DIN 53516: 245 mm³
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

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

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