# ENSOFT SO-161-45A

## Ravago Manufacturing Turkey - Thermoplastic Elastomer

Friday, March 6, 2026

### General Information

**Product Description**

This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and suitable for general purpose applications. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages :
T / Heat and UV stabilizer

Key Features :
Excellent ozone, UV and weathering resistance
Rubberlike elasticity in a wide temperature range
Easy colorability with proper MB (PE, PP, etc. based)

Process Method :
Injection/multi injection molding

Uses :
Industrial applications, automotive, personal care, toys, consumer goods, home&kitchen appliances

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Europe | • North America | |
| Filler / Reinforcement | • Mineral | | |
| Additive | • Heat Stabilizer | • UV Stabilizer | |
| Features | • Chemical Resistant<br>• Good Colorability<br>• Good Weather Resistance | • Heat Stabilized<br>• High Elasticity<br>• Ozone Resistant | • Recyclable Material<br>• UV Resistant<br>• UV Stabilized |
| Uses | • Appliances<br>• Automotive Applications | • Consumer Applications<br>• Industrial Applications | • Personal Care<br>• Toys |
| Processing Method | • Injection Molding | • Multi Injection Molding | |

### Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 1.18 | g/cm³ | ISO 1183/A |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress (100% Strain) | 0.800 | MPa | ISO 37 |
| Tensile Stress (300% Strain) | 1.30 | MPa | ISO 37 |
| Tensile Stress (Break) | 4.30 | MPa | ISO 37 |
| Tensile Elongation (Break) | 750 | % | ISO 37 |
| Tear Strength - Across Flow | 22.0 | kN/m | ISO 34-1 |
| Compression Set | | | ASTM D395B |
| 23°C, 72 hr | 20 | % | |
| 70°C, 22 hr | 38 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness (Shore A, 3 sec) | 45 | | ISO 868 |

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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| Thermal | Nominal Value | Unit |
|---|---|---|
| Brittleness Temperature | -55.0 | °C |
| Service Temperature | | |
| Dynamic | 90 | °C |
| Static | 110 | °C |

## Processing Information

| Injection | Nominal Value | Unit |
|---|---|---|
| Hopper Temperature | 170 to 180 | °C |
| Middle Temperature | 180 to 190 | °C |
| Front Temperature | 190 to 200 | °C |
| Nozzle Temperature | 200 to 210 | °C |
| Processing (Melt) Temp | 210 to 220 | °C |
| Mold Temperature | 10 to 50 | °C |

**Injection Notes**

Max Allowable Melt Temperature: 250°C

### Notes

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

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