# ENSOFT SD-161-55A

## 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 :
Extrusion, coextrusion, sheet extrusion

Uses :
Extruded parts (seals, tubes, profiles, hoses, etc.) for automotive, construction, home appliances, furniture

| 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<br>• Construction Applications | • Furniture<br>• Hose<br>• Profiles | • Seals<br>• Tubing |
| Processing Method | • Coextrusion | • Extrusion | • Sheet Extrusion |

### 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) | 1.20 | MPa | ISO 37 |
| Tensile Stress (300% Strain) | 1.80 | MPa | ISO 37 |
| Tensile Stress (Break) | 5.30 | MPa | ISO 37 |
| Tensile Elongation (Break) | 710 | % | ISO 37 |
| Tear Strength - Across Flow | 30.0 | kN/m | ISO 34-1 |
| Compression Set | | | ASTM D395B |
| 23°C, 72 hr | 22 | % | |
| 70°C, 22 hr | 40 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness (Shore A, 3 sec) | 55 | | 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

| Extrusion | Nominal Value | Unit |
|---|---|---|
| Cylinder Zone 1 Temp. | 170 to 190 | °C |
| Cylinder Zone 3 Temp. | 180 to 195 | °C |
| Cylinder Zone 5 Temp. | 195 to 205 | °C |
| Adapter Temperature | 200 to 210 | °C |
| Die Temperature | 200 to 220 | °C |

### Notes

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

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