# ENSOFT SD-151-90A

## ENSOFT-S

**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

**Revision Date :** 01.08.2018

| | Value | Unit | Standard |
|---|---|---|---|
| **Physical** | | | |
| Hardness | 90 | SHORE A | ISO 868 (3 second ) |
| Density | 1,15 | gr / cm3 | ISO 1183 1-A |
| **Mechanical** | | | |
| 100% Modulus | 4,8 | Mpa | ISO 37, DIN 53504 |
| 300% Modulus | 6,1 | Mpa | ISO 37, DIN 53504 |
| Tensile Strength At Break | 12,5 | Mpa | ISO 37, DIN 53504 |
| Elongation at Break | 625 | % | ISO 37, DIN 53504 |
| Tear Strength (Perpendicular to flow) | 70 | kN/m | ISO 34-1 |
| **Thermal** | | | |
| Max. Dynamic Service Temperature | 90 | °C | * |
| Max. Static Service Temperature | 135 | °C | * |

| **Environmental Resistance** | |
|---|---|
| Ozone | Excellent |
| Water | Excellent |
| Alcohol | Excellent |

Data Sheet

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| | |
|---|---|
| Olive Oil | Fair |
| Sulphuric Acid | Good |
| Detergent | Good |
| **Drying Condition** | |
| Drying Time(hr) | Not required |
| Drying Temperature(°C) | Not required |
| **Molding Condition (°C)** | |
| 1st Zone (hopper)(°C) | 150-160 |
| 2nd Zone(°C) | 160-170 |
| 3rd Zone(°C) | 170-180 |
| Nozzle(°C) | 185-190 |
| Melt Temperature(°C) | 190-200 |
| Mold Temperature(°C) | 10-50 |
| Max Allowable Melt Temperature(°C) | 250 C |
| **Extrusion Condition (°C)** | |
| Feed Zone Temperature (°C) | 170 - 190 |
| Compression Zone Temperature (°C) | 180 - 195 |
| Melting Zone Temperature (°C) | 195 - 205 |
| Extruder Head Temperature (°C) | 200 - 210 |
| Die Temperature (°C) | 200 - 220 |

**Important Notice;**

The above results are obtained from the tests conducted in Ravago Petrokimya laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. Ravago Petrokimya accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.

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