# ENSOFT SO-400-35A

## ENSOFT-S

**Product Description :** This polyolefin based thermoplastic elastomer (SEBS) compound is transparent, unfilled and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery

**Additive Packages :** T / Heat and UV stabilizer
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**Key Features :** Transparent
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, personal care, toys, consumer goods

**Revision Date :** 01.01.2023

| | Value | Unit | Standard |
|---|---|---|---|
| **Physical** | | | |
| Hardness | 35 | SHORE A | ISO 868 (3 second) |
| Density | 0,89 | gr / cm3 | ISO 1183 1-A |
| Brittleness Temperature | -55 | °C | by DSC |
| **Mechanical** | | | |
| 100% Modulus | 0,7 | Mpa | ISO 37(S1,500 mm/min) |
| 300% Modulus | 1,5 | Mpa | ISO 37(S1,500 mm/min) |
| Tensile Strength At Break | 5,5 | Mpa | ISO 37(S1,500 mm/min) |
| Elongation at Break | 650 | % | ISO 37(S1,500 mm/min) |
| Tear Strength (Perpendicular to flow) | 20 | N/mm | ISO 34-1 Method B |
| **Aging** | | | |
| Compression Set (72h/23°C) | 19 | % | ISO 815 |
| Compression Set (22h/70°C) | 35 | % | ISO 815 |
| **Thermal** | | | |
| Max. Dynamic Service Temperature | 90 | °C | * |
| Max. Static Service Temperature | 110 | °C | * |

Data Sheet

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

**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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