



**ENSOFT SO-300-75A**

**ENSOFT-S**

**Product Description :** This polyolefin based thermoplastic elastomer (SEBS) compound is unfilled, high performance 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 :** Translucent  
Excellent ozone, UV and weathering resistance  
Rubberlike elasticity in a wide temperature range  
Low compression set  
Easy colorability with proper MB (PE, PP, etc. based)

**Process Method :** Injection/multi injection molding

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

|                                       | Value     | Unit     | Standard              |
|---------------------------------------|-----------|----------|-----------------------|
| <b>Physical</b>                       |           |          |                       |
| Hardness                              | 75        | SHORE A  | ISO 868 (3 second)    |
| Density                               | 0,89      | gr / cm3 | ISO 1183 1-A          |
| <b>Mechanical</b>                     |           |          |                       |
| 100% Modulus                          | 2,5       | Mpa      | ISO 37(S1,500 mm/min) |
| 300% Modulus                          | 2,9       | Mpa      | ISO 37(S1,500 mm/min) |
| Tensile Strength At Break             | 15,3      | Mpa      | ISO 37(S1,500 mm/min) |
| Elongation at Break                   | 780       | %        | ISO 37(S1,500 mm/min) |
| Tear Strength (Perpendicular to flow) | 34        | N/mm     | ISO 34-1 Method B     |
| <b>Aging</b>                          |           |          |                       |
| Compression Set (72h/23°C)            | 31        | %        | ISO 815               |
| Compression Set (22h/70°C)            | 48        | %        | ISO 815               |
| <b>Environmental Resistance</b>       |           |          |                       |
| Ozone                                 | Excellent |          |                       |
| Water                                 | Excellent |          |                       |
| Alcohol                               | Excellent |          |                       |



Ravago Petrokimya Uretim A.S.



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|                |      |
|----------------|------|
| Olive Oil      | Fair |
| Sulphuric Acid | Good |
| Detergent      | Good |

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**Drying Condition**

|                        |              |
|------------------------|--------------|
| Drying Time(hr)        | Not required |
| Drying Temperature(°C) | Not required |

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**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   |

