

# ENSOF-T-S

## ENSOF-T SO-161-85A

### Product Description

Standard, high mineral filled SEBS series

### Additive Packages

T Heat and UV stabilizer

| Properties                            | Value | Unit     | Standard            |
|---------------------------------------|-------|----------|---------------------|
| <b><u>Physical</u></b>                |       |          |                     |
| Hardness                              | 85    | SHORE A  | ISO 868 (3 second ) |
| Density                               | 1,18  | gr / cm3 | ISO 2781            |
| <b><u>Mechanical</u></b>              |       |          |                     |
| 100% Modulus                          | 4     | Mpa      | ISO 37, DIN 53504   |
| 300% Modulus                          | 4,8   | Mpa      | ISO 37, DIN 53504   |
| Tensile Strength At Break             | 9,5   | Mpa      | ISO 37, DIN 53504   |
| Elongation at Break                   | 590   | %        | ISO 37, DIN 53504   |
| Tear Strength (Perpendicular to flow) | 60    | kN/m     | ISO 34-1            |
| <b><u>Compression Set</u></b>         |       |          |                     |
| Compression Set (72h/23°C)            | 35    | %        | ASTM D 395-89-B     |
| Compression Set (22h/70°C)            | 60    | %        | ASTM D 395-89-B     |
| <b><u>Thermal</u></b>                 |       |          |                     |
| Brittleness Point                     | -55   | °C       | *                   |
| Max. Dynamic Service Temperature      | 90    | °C       | *                   |
| Max. Static Service Temperature       | 135   | °C       | *                   |



## Technical Data Sheet

Last updated:

### Features

Rubberlike elasticity  
Ease of coloring by proper MB (PE,PP,etc. based)  
Medium compression set  
Ease of processing (no pre-drying requested)  
Recyclability

### 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   |

### Environmental Resistance

|                |           |
|----------------|-----------|
| Ozone          | Excellent |
| Water          | Excellent |
| Alcohol        | Excellent |
| Olive Oil      | Fair      |
| Sulphuric Acid | Good      |
| Detergent      | Good      |

### Notes:

The above test results are obtained from laboratory injection molded ISO samples and cannot be used directly to determine end-use or design specification. The customer should determine the suitability to his/her application through their internal testing procedure. Datasheet values represent a statistical average or product properties and they may change with increasing data points.