



## ENSOFT TO-620-60A

### ENSOFT-T

|                              |   |
|------------------------------|---|
| <b>Product Description :</b> | This polyolefin based thermoplastic elastomer (SBS) compound is low mineral filled, high performance and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery. |
| <b>Additive Packages :</b>   | T / Heat and UV stabilizer<br>/   |
| <b>Key Features :</b>        | Ozone and weathering resistance<br>Rubberlike elasticity in a wide temperature range<br>Easy colorability with proper MB (PE, PP, etc. based  |
| <b>Process Method :</b>      | Injection/multi injection molding   |
| <b>Uses :</b>                | Industrial applications, house appliances, consumer goods.  |

|                                       | Value     | Unit     | Standard           |
|---------------------------------------|-----------|----------|--------------------|
| <b>Physical</b>                       |           |          |                    |
| Hardness                              | 60        | SHORE A  | ISO 868 (3 second) |
| Density                               | 0,99      | gr / cm3 | ISO 1183 1-A       |
| <b>Mechanical</b>                     |           |          |                    |
| 100% Modulus                          | 1,5       | Mpa      | ISO 37, DIN 53504  |
| 300% Modulus                          | 2,5       | Mpa      | ISO 37, DIN 53504  |
| Tensile Strength At Break             | 4,3       | Mpa      | ISO 37, DIN 53504  |
| Elongation at Break                   | 740       | %        | ISO 37, DIN 53504  |
| Tear Strength (Perpendicular to flow) | 30        | N/mm     | ISO 34-1           |
| <b>Aging</b>                          |           |          |                    |
| Compression Set (72h/23°C)            | 19        | %        | ISO 815            |
| <b>Thermal</b>                        |           |          |                    |
| Max. Dynamic Service Temperature      | 70        | °C       | *                  |
| Max. Static Service Temperature       | 90        | °C       | *                  |
| <b>Environmental Resistance</b>       |           |          |                    |
| Water                                 | Excellent |          |                    |





## ENSOFT TO-620-60A

### ENSOFT-T

---

#### 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) | 230 C   |

