



## ENSOFT TO-620-40D

### 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                              | 40           | SHORE D  | ISO 868 (3 second)    |
| Density                               | 0,99         | gr / cm3 | ISO 1183 1-A          |
| <b>Mechanical</b>                     |              |          |                       |
| 100% Modulus                          | 8,6          | Mpa      | ISO 37(S1,500 mm/min) |
| 300% Modulus                          | 9,3          | Mpa      | ISO 37(S1,500 mm/min) |
| Tensile Strength At Break             | 10,8         | Mpa      | ISO 37(S1,500 mm/min) |
| Elongation at Break                   | 400          | %        | ISO 37(S1,500 mm/min) |
| Tear Strength (Perpendicular to flow) | 55           | N/mm     | ISO 34-1 Method B     |
| <b>Environmental Resistance</b>       |              |          |                       |
| Water                                 | Excellent    |          |                       |
| <b>Drying Condition</b>               |              |          |                       |
| Drying Time(hr)                       | Not required |          |                       |
| Drying Temperature(°C)                | Not required |          |                       |
| <b>Molding Condition (°C)</b>         |              |          |                       |
| 1st Zone (hopper)(°C)                 | 150-160      |          |                       |



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|                                    |         |
|------------------------------------|---------|
| 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   |

