



## ENSOFT-SO-141-35A

### ENSOFT-S

|                              |   |
|------------------------------|---|
| <b>Product Description :</b> | This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and suitable for general purpose applications. ENSOFT® series can be processed with conventional thermoplastics machinery |
| <b>Additive Packages :</b>   | T / Heat and UV stabilizer<br>/   |
| <b>Key Features :</b>        | Excellent ozone, UV 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, automotive, personal care, toys, consumer goods, home&kitchen appliances   |

|                                       | Value | Unit     | Standard              |
|---------------------------------------|-------|----------|-----------------------|
| <b>Physical</b>                       |       |          |                       |
| Hardness                              | 35    | SHORE A  | ISO 868 (3 second)    |
| Density                               | 1,08  | gr / cm3 | ISO 1183 1-A          |
| <b>Mechanical</b>                     |       |          |                       |
| 100% Modulus                          | 0,6   | Mpa      | ISO 37(S1,500 mm/min) |
| 300% Modulus                          | 1     | Mpa      | ISO 37(S1,500 mm/min) |
| Tensile Strength At Break             | 5,5   | Mpa      | ISO 37(S1,500 mm/min) |
| Elongation at Break                   | 800   | %        | ISO 37(S1,500 mm/min) |
| Tear Strength (Perpendicular to flow) | 15    | N/mm     | ISO 34-1 Method B     |
| <b>Aging</b>                          |       |          |                       |
| Compression Set (72h/23°C)            | 19    | %        | ISO 815               |
| Compression Set (22h/70°C)            | 29    | %        | ISO 815               |
| Compression Set (22h/100°C)           | 61    | %        | ISO 815               |

#### Drying Condition

|                        |     |
|------------------------|-----|
| Drying Time(hr)        | 2-4 |
| Drying Temperature(°C) | 90  |

#### Molding Condition (°C)



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|                       |         |
|-----------------------|---------|
| 1st Zone (hopper)(°C) | 260-270 |
| 2nd Zone(°C)          | 270-280 |
| 3rd Zone(°C)          | 280-290 |
| Nozzle(°C)            | 280-290 |
| Mold Temperature(°C)  | 80      |

