



## ENSOFT SD-654-60A

### ENSOFT-S

|                              |   |
|------------------------------|---|
| <b>Product Description :</b> | This polyolefin based thermoplastic elastomer (SEBS) compound is medium mineral filled, completely recyclable and specifically designed for extrudability at low temperatures. ENSOFT® series can be processed with conventional thermoplastics machinery |
| <b>Additive Packages :</b>   | T / Heat and UV stabilizer<br>/   |
| <b>Key Features :</b>        | Ozone, UV and weathering resistance<br>Extra smooth, silky surface appearance<br>Rubberlike elasticity in a wide temperature range<br>Ease of processing at lower temperatures<br>Easy colorability with proper MB (PE, PP, etc. Based)                   |
| <b>Process Method :</b>      | Extrusion, coextrusion, sheet extrusion   |
| <b>Uses :</b>                | Extruded parts(seals, tubes, profiles, hoses, etc.) for automotive, construction, home appliances, furniture.   |

|                                       | Value | Unit     | Standard           |
|---------------------------------------|-------|----------|--------------------|
| <b>Physical</b>                       |       |          |                    |
| Hardness                              | 60    | SHORE A  | ISO 868 (3 second) |
| Density                               | 1,13  | gr / cm3 | ISO 1183 1-A       |
| <b>Mechanical</b>                     |       |          |                    |
| 100% Modulus                          | 1,2   | Mpa      | ISO 37, DIN 53504  |
| 300% Modulus                          | 1,6   | Mpa      | ISO 37, DIN 53504  |
| Tensile Strength At Break             | 6,4   | Mpa      | ISO 37, DIN 53504  |
| Elongation at Break                   | 850   | %        | ISO 37, DIN 53504  |
| Tear Strength (Perpendicular to flow) | 27    | N/mm     | ISO 34-1           |
| <b>Thermal</b>                        |       |          |                    |
| Max. Dynamic Service Temperature      | 90    | °C       | *                  |
| Max. Static Service Temperature       | 135   | °C       | *                  |

#### Environmental Resistance

|       |           |
|-------|-----------|
| Ozone | Excellent |
|-------|-----------|



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|                |           |
|----------------|-----------|
| Water          | Excellent |
| Alcohol        | Excellent |
| 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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#### **Extrusion Condition (°C)**

|                                   |           |
|-----------------------------------|-----------|
| Feed Zone Temperature (°C)        | 150 - 170 |
| Compression Zone Temperature (°C) | 160 - 175 |
| Melting Zone Temperature (°C)     | 170 - 180 |
| Extruder Head Temperature (°C)    | 180 - 190 |
| Die Temperature (°C)              | 180 - 200 |

