



ENSOFT SL-600-40A

ENSOFT

Product Description : This polyolefin based thermoplastic elastomer (SEBS) compound is unfilled, high performance and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages : A / Heat and UV stabilizer and antistatic additive /

Key Features : Translucent
Good ozone, UV and weathering resistance
Rubberlike elasticity in a wide temperature range
Easy colorability with proper MB (PE, PP, etc. based)

Process Method : Extrusion, coextrusion, sheet extrusion

Uses : Extruded parts (seals, tubes, profiles, hoses, etc.) for construction, furniture, home appliances

| | Value | Unit | Standard |
|---------------------------------------|-----------|----------|-----------------------|
| Physical | | | |
| Hardness | 40 | SHORE A | ISO 868 (3 second) |
| Density | 0,90 | gr / cm3 | ISO 1183 1-A |
| Mechanical | | | |
| 100% Modulus | 0,5 | Mpa | ISO 37(S1,500 mm/min) |
| 300% Modulus | 0,9 | Mpa | ISO 37(S1,500 mm/min) |
| Tensile Strength At Break | 8 | Mpa | ISO 37(S1,500 mm/min) |
| Elongation at Break | 750 | % | ISO 37(S1,500 mm/min) |
| Tear Strength (Perpendicular to flow) | 25 | N/mm | ISO 34-1 Method B |
| Aging | | | |
| Compression Set (72h/23°C) | 20 | % | ISO 815 |
| Compression Set (22h/70°C) | 40 | % | ISO 815 |
| Environmental Resistance | | | |
| Ozone | Excellent | | |
| Water | Excellent | | |
| Alcohol | Excellent | | |



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| | |
|------------------------|--------------|
| Olive Oil | Fair |
| Sulphuric Acid | Good |
| Detergent | Good |
| Drying Time(hr) | Not required |
| Drying Temperature(°C) | Not required |

Extrusion Condition (°C)

| | |
|-----------------------------------|-----------|
| Feed Zone Temperature (°C) | 150 - 170 |
| Compression Zone Temperature (°C) | 160 - 175 |
| Melting Zone Temperature (°C) | 175 - 185 |
| Extruder Head Temperature (°C) | 180 - 190 |
| Die Temperature (°C) | 180 - 200 |

