



ENSOFT SL-154-80A

ENSOFT-S

| | |
|------------------------------|---|
| Product Description : | This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and possible alternative to replace PVC in various applications. ENSOFT® series can be processed with conventional thermoplastics machinery |
| Additive Packages : | T / Heat and UV stabilizer / |
| Key Features : | Good ozone and UV resistance. Easy processing. Rubberlike elasticity. 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 and furniture |

| | Value | Unit | Standard |
|---------------------------------------|-------|----------|-----------------------|
| Physical | | | |
| Hardness | 80 | SHORE A | ISO 868 (3 second) |
| Density | 1,17 | gr / cm3 | ISO 1183 1-A |
| Mechanical | | | |
| 100% Modulus | 2,6 | Mpa | ISO 37(S1,500 mm/min) |
| 300% Modulus | 3,3 | Mpa | ISO 37(S1,500 mm/min) |
| Tensile Strength At Break | 7,7 | Mpa | ISO 37(S1,500 mm/min) |
| Elongation at Break | 744,8 | % | ISO 37(S1,500 mm/min) |
| Tear Strength (Perpendicular to flow) | 29,8 | N/mm | ISO 34-1 Method B |
| Aging | | | |
| Compression Set (72h/23°C) | 40,4 | % | ISO 815 |

Environmental Resistance

| | |
|----------------|-----------|
| Ozone | Excellent |
| Water | Excellent |
| Alcohol | Excellent |
| Olive Oil | Fair |
| Sulphuric Acid | Good |





ENSOFT SL-154-80A

ENSOFT-S

| | |
|-----------|------|
| Detergent | Good |
|-----------|------|

Drying Condition

| | |
|------------------------|--------------|
| Drying Time(hr) | Not required |
| Drying Temperature(°C) | Not required |

Extrusion Condition (°C)

| | |
|-----------------------------------|-----------|
| Feed Zone Temperature (°C) | 170 - 190 |
| Compression Zone Temperature (°C) | 180 - 195 |
| Melting Zone Temperature (°C) | 195 - 205 |
| Extruder Head Temperature (°C) | 200 - 210 |
| Die Temperature (°C) | 200 - 220 |

