



# ENSOFTE SL-154-90A

## Ravago Manufacturing Turkey - Thermoplastic Elastomer

### General Information

#### Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and possible alternative to replace PVC in various applications. ENSOFTE® 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

#### General

|                        |                             |                   |                       |
|------------------------|-----------------------------|-------------------|-----------------------|
| Material Status        | • Commercial: Active        |                   |                       |
| Availability           | • Europe                    | • North America   |                       |
| Filler / Reinforcement | • Mineral                   |                   |                       |
| Additive               | • Heat Stabilizer           | • UV Stabilizer   |                       |
| Features               | • Chemical Resistant        | • Heat Stabilized | • Recyclable Material |
|                        | • Good Colorability         | • High Elasticity | • UV Resistant        |
|                        | • Good Processability       | • Ozone Resistant | • UV Stabilized       |
| Uses                   | • Construction Applications | • Hose            | • Seals               |
|                        | • Furniture                 | • Profiles        | • Tubing              |
| Processing Method      | • Coextrusion               | • Extrusion       | • Sheet Extrusion     |

### Properties<sup>1</sup>

| Physical                        | Nominal Value | Unit              | Test Method |
|---------------------------------|---------------|-------------------|-------------|
| Density                         | 1.18          | g/cm <sup>3</sup> | ISO 1183/A  |
| Elastomers                      | Nominal Value | Unit              | Test Method |
| Tensile Stress (100% Strain)    | 4.50          | MPa               | ISO 37      |
| Tensile Stress (300% Strain)    | 5.40          | MPa               | ISO 37      |
| Tensile Stress (Break)          | 8.00          | MPa               | ISO 37      |
| Tensile Elongation (Break)      | 540           | %                 | ISO 37      |
| Tear Strength - Across Flow     | 60.0          | kN/m              | ISO 34-1    |
| Compression Set                 |               |                   | ASTM D395B  |
| 23°C, 72 hr                     | 41            | %                 |             |
| 70°C, 22 hr                     | 84            | %                 |             |
| Hardness                        | Nominal Value | Unit              | Test Method |
| Shore Hardness (Shore A, 3 sec) | 90            |                   | ISO 868     |

ENSOFTE SL-154-90A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

| Thermal                 | Nominal Value | Unit |
|-------------------------|---------------|------|
| Brittleness Temperature | -55.0         | °C   |
| Service Temperature     |               |      |
| Dynamic                 | 90            | °C   |
| Static                  | 110           | °C   |

| Processing Information |               |      |
|------------------------|---------------|------|
| Extrusion              | Nominal Value | Unit |
| Cylinder Zone 1 Temp.  | 170 to 190    | °C   |
| Cylinder Zone 3 Temp.  | 180 to 195    | °C   |
| Cylinder Zone 5 Temp.  | 195 to 205    | °C   |
| Adapter Temperature    | 200 to 210    | °C   |
| Die Temperature        | 200 to 220    | °C   |

Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.