



ENSOFT SD-161-50A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

This polyolefin based thermoplastic elastomer (SEBS) compound is high mineral filled, completely recyclable and suitable for general purpose applications. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages :

T / Heat and UV stabilizer

Key Features :

Excellent 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 automotive, construction, home appliances, 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 Weather Resistance | • Ozone Resistant | • UV Stabilized |
| Uses | • Appliances | • Furniture | • Seals |
| | • Automotive Applications | • Hose | • Tubing |
| | • Construction Applications | • Profiles | |
| Processing Method | • Coextrusion | • Extrusion | • Sheet Extrusion |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---------------------------------|---------------|-------------------|-------------|
| Density | 1.18 | g/cm ³ | ISO 1183/A |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain) | 1.20 | MPa | ISO 37 |
| Tensile Stress (300% Strain) | 1.70 | MPa | ISO 37 |
| Tensile Stress (Break) | 5.10 | MPa | ISO 37 |
| Tensile Elongation (Break) | 710 | % | ISO 37 |
| Tear Strength - Across Flow | 29.0 | kN/m | ISO 34-1 |
| Compression Set | | | ASTM D395B |
| 23°C, 72 hr | 20 | % | |
| 70°C, 22 hr | 37 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A, 3 sec) | 50 | | ISO 868 |

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| 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

¹ Typical properties: these are not to be construed as specifications.