



ENSOFIT SO-161-30A

Ravago Manufacturing Turkey - Thermoplastic Elastomer

General Information

Product Description

Standard, high mineral filled SEBS series

Additive Packages :

T / Heat and UV stabilizer

Key Features :

Rubberlike elasticity

Ease of coloring by proper MB (PE,PP,etc. based)

Medium compression set

Ease of processing (no pre-drying requested)

Recyclability

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 Stabilized |
| | • Good Processability | • Medium Compression Set | |
| Processing Method | • Injection Molding | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---------------------------------|---------------|-------------------|-------------|
| Density | 1.18 | g/cm ³ | ISO 2781 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain) | 0.500 | MPa | ISO 37 |
| Tensile Stress (300% Strain) | 1.00 | MPa | ISO 37 |
| Tensile Stress (Break) | 3.00 | MPa | ISO 37 |
| Tensile Elongation (Break) | 800 | % | ISO 37 |
| Tear Strength - Across Flow | 17.0 | kN/m | ISO 34-1 |
| Compression Set | | | ASTM D395B |
| 23°C, 72 hr | 17 | % | |
| 70°C, 22 hr | 25 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A, 3 sec) | 30 | | ISO 868 |
| Thermal | Nominal Value | Unit | |
| Brittleness Temperature | -55.0 | °C | |
| Service Temperature | | | |
| Dynamic | 90 | °C | |
| Static | 110 | °C | |

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| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Hopper Temperature | 150 to 160 | °C |
| Middle Temperature | 160 to 170 | °C |
| Front Temperature | 170 to 180 | °C |
| Nozzle Temperature | 185 to 190 | °C |
| Processing (Melt) Temp | 190 to 200 | °C |
| Mold Temperature | 10 to 50 | °C |

Injection Notes

Max Allowable Melt Temperature: 250°C

Notes

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