+135-3858-6433 (GuangDong)
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# ENSOFT TO-350-80A

## Ravago Manufacturing Turkey - Thermoplastic Elastomer

### General Information

**Product Description**

High performance, high mineral filled SBS series for injection moulding

Additive Packages :
H / Heat stabilizer

Key Features :
Rubberlike elasticity
Ease of coloring by proper MB (PE,PP,etc. based)
Ease of processing
Recyclability

**General**

| | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Europe | • North America | |
| Filler / Reinforcement | • Mineral | | |
| Additive | • Heat Stabilizer | | |
| Features | • Chemical Resistant<br>• Good Colorability | • Good Processability<br>• Heat Stabilized | • High Elasticity<br>• Recyclable Material |
| Processing Method | • Injection Molding | | |

### Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 1.14 | g/cm³ | ISO 2781 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress (100% Strain) | 3.00 | MPa | ISO 37 |
| Tensile Stress (300% Strain) | 3.80 | MPa | ISO 37 |
| Tensile Stress (Break) | 4.90 | MPa | ISO 37 |
| Tensile Elongation (Break) | 540 | % | ISO 37 |
| Tear Strength - Across Flow | 35.0 | kN/m | ISO 34-1 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness (Shore D, 3 sec) | 80 | | ISO 868 |
| **Thermal** | **Nominal Value** | **Unit** | |
| Brittleness Temperature | -40.0 | °C | |
| Service Temperature | | | |
| Dynamic | 70 | °C | |
| Static | 90 | °C | |

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### Processing Information

| 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.