

ENSOFT SL-560-55A

Thermoplastic Elastomer
ENPLAST, a Ravago Group Company

Message:

ENSOFT SL-560-55A is a thermoplastic elastomer (TPE) product. It can be processed by extrusion or injection molding and is available in North America or Europe.

Features include:

- Flame Retardant
- Good UV resistance

| General Information | |
|---------------------|--|
| Features | Good UV resistance Ozone resistance Flame retardancy |
| Forms | Particle |
| Processing Method | Extrusion Injection molding |

| Physical | Nominal Value | Unit | Test Method |
|------------------------------|---------------|-------------------|-------------|
| Density | 1.16 | g/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 55 | | ISO 868 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ISO 37 |
| 100% strain | 1.20 | MPa | ISO 37 |
| 300% strain | 2.50 | MPa | ISO 37 |
| Tensile Stress (Break) | 7.20 | MPa | ISO 37 |
| Tensile Elongation (Break) | 600 | % | ISO 37 |

| Additional Information | | |
|--|---------------|------|
| The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.Ozone Resistance, ISO 1431: No Crack | | |
| Injection | Nominal Value | Unit |
| Rear Temperature | 150 - 160 | °C |
| Front Temperature | 170 - 180 | °C |
| Nozzle Temperature | 185 - 190 | °C |
| Processing (Melt) Temp | 190 - 200 | °C |
| Mold Temperature | 10.0 - 50.0 | °C |
| Screw L/D Ratio | 20.0:1.0 | |
| Screw Compression Ratio | 2.5:1.0 | |
| Extrusion | Nominal Value | Unit |
| Drying Temperature | 90.0 | °C |

| | | |
|-----------------------|-----|----|
| Drying Time | 1.0 | hr |
| Cylinder Zone 1 Temp. | 170 | °C |
| Cylinder Zone 2 Temp. | 180 | °C |
| Cylinder Zone 3 Temp. | 190 | °C |
| Cylinder Zone 4 Temp. | 195 | °C |
| Cylinder Zone 5 Temp. | 200 | °C |

Extrusion instructions

Machine Capacity, 30 mm cylinder diameter: 15 to 20 kg/hrMachine Capacity, 45 mm cylinder diameter: 60 to 85 kg/hrMachine Capacity, 60 mm cylinder diameter: 100 to 150 kg/hrMachine Capacity, 90 mm cylinder diameter: 225 to 300 kg/hr

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