

# Sarlink® TPE ML-1262B

Thermoplastic Elastomer

Teknor Apex Company

## Message:

Sarlink®TPE ML-1262B is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.

Sarlink®The typical application field of TPE ML-1262B is: automobile industry

| General Information                       |                    |                   |             |
|-------------------------------------------|--------------------|-------------------|-------------|
| Uses                                      | Car interior parts |                   |             |
| Appearance                                | Opacity            |                   |             |
| Forms                                     | Particle           |                   |             |
| Processing Method                         | Injection molding  |                   |             |
| Physical                                  | Nominal Value      | Unit              | Test Method |
| Specific Gravity                          | 1.18               | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.3                | g/10 min          | ASTM D1238  |
| Hardness                                  | Nominal Value      | Unit              | Test Method |
| Durometer Hardness (Shore A)              | 62                 |                   | ASTM D2240  |
| Mechanical                                | Nominal Value      | Unit              | Test Method |
| Flexural Modulus                          | 34.5               | MPa               | ASTM D790   |
| Elastomers                                | Nominal Value      | Unit              | Test Method |
| Tensile Stress (100% Strain)              | 1.38               | MPa               | ASTM D412   |
| Tensile Strength (Break)                  | 4.83               | MPa               | ASTM D412   |
| Tensile Elongation (Break)                | 720                | %                 | ASTM D412   |
| Tear Strength <sup>1</sup>                | 22.8               | kN/m              | ASTM D1004  |
| Thermal                                   | Nominal Value      | Unit              | Test Method |
| Brittleness Temperature                   | < -60.0            | °C                | ASTM D746   |
| Injection                                 | Nominal Value      | Unit              |             |
| Rear Temperature                          | 199 - 210          | °C                |             |
| Middle Temperature                        | 204 - 216          | °C                |             |
| Front Temperature                         | 210 - 221          | °C                |             |
| Nozzle Temperature                        | 216 - 227          | °C                |             |
| Processing (Melt) Temp                    | 216 - 227          | °C                |             |
| Mold Temperature                          | 35.0 - 65.6        | °C                |             |
| Injection Pressure                        | 1.38 - 6.89        | MPa               |             |
| Injection Rate                            | Fast               |                   |             |
| Back Pressure                             | 0.172 - 0.862      | MPa               |             |
| Screw Speed                               | 50 - 120           | rpm               |             |
| Cushion                                   | 3.81 - 25.4        | mm                |             |
| Injection instructions                    |                    |                   |             |

无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.

| Extrusion             | Nominal Value | Unit |
|-----------------------|---------------|------|
| Cylinder Zone 1 Temp. | 193 - 204     | °C   |
| Cylinder Zone 2 Temp. | 199 - 210     | °C   |
| Cylinder Zone 3 Temp. | 204 - 216     | °C   |
| Cylinder Zone 5 Temp. | 210 - 221     | °C   |
| Die Temperature       | 216 - 227     | °C   |

#### Extrusion instructions

螺杆转速30 - 100 rpm

#### NOTE

1. C mould

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#### Recommended distributors for this material

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