

# Sarlink® TPE ME-2270 BLK 111

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink® TPE ME-2270 BLK 111 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 fields of TPE ME-2270 BLK 111 are: automobile industry

| General Information                        |                           |          |             |
|--------------------------------------------|---------------------------|----------|-------------|
| Uses                                       | Automotive exterior parts |          |             |
| Appearance                                 | Translucent               |          |             |
| Forms                                      | Particle                  |          |             |
| Processing Method                          | Injection molding         |          |             |
| Physical                                   | Nominal Value             | Unit     | Test Method |
| Specific Gravity                           | 0.898                     | g/cm³    | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)  | 10                        | g/10 min | ASTM D1238  |
| Hardness                                   | Nominal Value             | Unit     | Test Method |
| Durometer Hardness (Shore A, 15 sec)       | 70                        |          | ASTM D2240  |
| Elastomers                                 | Nominal Value             | Unit     | Test Method |
| Tensile Strength (Break)                   | 8.27                      | MPa      | ASTM D412   |
| Tensile Elongation (Break)                 | 700                       | %        | ASTM D412   |
| 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

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