

Sarlink® TPE ME-1355N-01 (PRELIMINARY DATA)

Thermoplastic Elastomer
Teknor Apex Company

Message:

Sarlink EE-1355N-01 is a general purpose thermoplastic elastomer used in automotive applications, including exterior. Sarlink EE-1355N-01 is a low hardness, low density, lubricated grade exhibiting superior compression set and chemical resistance. This grade can be processed by injection molding.

| General Information | | | |
|---|---------------------------------|----------|-------------|
| Features | Low Specific Gravity | | |
| | Low density | | |
| | smoothness | | |
| | Workability, good | | |
| | Good formability | | |
| | Good liquidity | | |
| | Good coloring | | |
| | Medium liquidity | | |
| | Lubrication | | |
| | General | | |
| | Good demoulding performance | | |
| | Hardness, low | | |
| Uses | Application in Automobile Field | | |
| | Automotive exterior parts | | |
| RoHS Compliance | RoHS compliance | | |
| Appearance | Opacity | | |
| | Black | | |
| | Available colors | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.910 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 11 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shaw A | 54 | | ASTM D2240 |

| Shaw A, 5 seconds | 52 | | ASTM D2240 |
|------------------------------|---------------|------|-------------|
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain) | 1.38 | MPa | ASTM D412 |
| Tensile Strength (Break) | 4.14 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 610 | % | ASTM D412 |

Legal statement

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| 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 - 66 | °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

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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