

Sarlink® TPV 24550D (PRELIMINARY DATA)

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink TPV 24550D is a high performance thermoplastic vulcanizate used in a variety of consumer and industrial applications. Sarlink TPV 24550D, available in NAT and BLK, is a high hardness, low density, UV stabilized grade designed for injection molding and extrusion.

| General Information | | | |
|---|----------------------|----------|-------------|
| Features | Low Specific Gravity | | |
| | Low density | | |
| | smoothness | | |
| | Good UV resistance | | |
| | Low liquidity | | |
| | General | | |
| | High hardness | | |
| | | | |
| Uses | Plug | | |
| | Washer | | |
| | Washer | | |
| | Pipe fittings | | |
| | Shock Absorbing Pad | | |
| | General | | |
| | Assembled glass | | |
| | | | |
| RoHS Compliance | RoHS compliance | | |
| Appearance | Black | | |
| | Natural color | | |
| | | | |
| Forms | Particle | | |
| Processing Method | Extrusion | | |
| | Injection molding | | |
| | | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.930 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.5 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shore D, 1 second, injection molding | 52 | | ASTM D2240 |
| Shore D, 5 seconds, injection molding | 50 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |

| | | | |
|----------------------------|------|-----|-----------|
| Tensile Strength (Break) | 17.2 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 400 | % | ASTM D412 |

Legal statement

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| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Rear Temperature | 204 - 243 | °C |
| Middle Temperature | 204 - 243 | °C |
| Front Temperature | 204 - 243 | °C |
| Nozzle Temperature | 204 - 243 | °C |
| Processing (Melt) Temp | 204 - 243 | °C |
| Mold Temperature | 16 - 32 | °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).

| Extrusion | Nominal Value | Unit |
|-----------------------|---------------|------|
| Cylinder Zone 1 Temp. | 193 - 232 | °C |
| Cylinder Zone 2 Temp. | 193 - 232 | °C |
| Cylinder Zone 3 Temp. | 193 - 232 | °C |
| Cylinder Zone 4 Temp. | 193 - 232 | °C |
| Cylinder Zone 5 Temp. | 193 - 232 | °C |
| Die Temperature | 193 - 232 | °C |

Extrusion instructions

螺杆转速30 - 100 rpm

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