

STAREX SV-0155

ABS

Lotte Chemical Corporation

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 5.5 | g/10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| ASTM Data | | | |
| Melt Flow Index, MFI | 5.5 | g/10min | ASTM D 1238 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 2300 | MPa | ISO 527 |
| Yield stress | 45 | MPa | ISO 527 |
| Stress at break | 35 | MPa | ISO 527 |
| Flexural modulus, 23°C | 2400 | MPa | ISO 178 |
| Flexural strength | 65 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 30 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 30 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | R 108 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Modulus | 2200 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 42 | MPa | ASTM D 638 |
| Tensile Strength at Break | 34 | MPa | ASTM D 638 |
| Flexural Modulus | 2300 | MPa | ASTM D 790 |
| Flexural Strength | 59 | MPa | ASTM D 790 |
| Rockwell Hardness | R 108 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 290 | J/m | ASTM D 256 |
| Izod Impact notched, 1/4 in | 250 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 80 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 90 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 100 | °C | ISO 306 |
| ASTM Data | | | |
| DTUL @ 66 psi | 95 | °C | ASTM D 648 |
| DTUL @ 264 psi | 89 | °C | ASTM D 648 |
| Other properties | | | |
| Density | 1040 | kg/m ³ | ISO 1183 |
| Density | 1040 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 210 - 220 | °C | - |
| Mold temperature | 60 - 80 | °C | - |
| Zone 1 | 190 - 200 | °C | - |
| Zone 2 | 200 - 210 | °C | - |
| Zone 3 | 210 - 220 | °C | - |
| Nozzle temperature | 220 | °C | - |
| Screw speed | 30 - 60 | rpm | - |
| Injection pressure | 49 | MPa | - |
| Back pressure | 2.9 - 12 | MPa | - |

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Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color