

STAREX TX-0520T

MABS

Lotte Chemical Corporation

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 15 | g/10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| ASTM Data | | | |
| Melt Flow Index, MFI | 15 | g/10min | ASTM D 1238 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 2100 | MPa | ISO 527 |
| Yield stress | 47 | MPa | ISO 527 |
| Stress at break | 34 | MPa | ISO 527 |
| Strain at break | 15 | % | ISO 527 |
| Flexural modulus, 23°C | 2200 | MPa | ISO 178 |
| Flexural strength | 70 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 12 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 12 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | R 110 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Strength at Yield | 42 | MPa | ASTM D 638 |
| Flexural Modulus | 2000 | MPa | ASTM D 790 |
| Flexural Strength | 59 | MPa | ASTM D 790 |
| Rockwell Hardness | R 106 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 160 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 71 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 81 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 87 | °C | ISO 306 |
| Burning behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1.5 | mm | - |
| Optical properties | | | |
| ASTM Data | | | |
| Haze | 3 | % | ASTM D 1003 |
| Light Transmittance | 88 | % | ASTM D 1003 |
| Other properties | | | |
| Density | 1100 | kg/m ³ | ISO 1183 |
| Density | 1100 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Extrusion | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 220 | °C | - |
| Mold temperature | 50 - 70 | °C | - |
| Zone 1 | 180 - 190 | °C | - |
| Zone 2 | 200 - 210 | °C | - |

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| | | | |
|--------------------|------------------|----|---|
| Zone 3 | 220 - 230 | °C | - |
| Nozzle temperature | 230 | °C | - |

Characteristics**Processing**

Other Extrusion

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color