

STAREX TX-0520

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 | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.6 | % | ISO 294-4, 2577 |
| ASTM Data | | | |
| Melt Flow Index, MFI | 15 | g/10min | ASTM D 1238 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Mold Shrinkage, MD | 0.006 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.007 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ISO Data | | | |
| Yield stress | 47 | MPa | 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 | | | |
| 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 | - |
| 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 | 2 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 230 | °C | - |
| Mold temperature | 40 - 60 | °C | - |
| Zone 1 | 200 - 215 | °C | - |
| Zone 2 | 215 | °C | - |
| Zone 3 | 215 - 230 | °C | - |
| Nozzle temperature | 230 | °C | - |

Characteristics

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Processing

Other Extrusion

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color