

KEPEX® 3725M7

(PBT+PET)-MX25

Korea Engineering Plastics Co. Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.5 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Strength | 55 | MPa | ISO 527 |
| Strain at break | 2 | % | ISO 527 |
| Flexural modulus, 23°C | 6300 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 2.4 | kJ/m ² | ISO 179/1eA |
| Rockwell hardness | R119 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|------------------------------------------|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 100 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 195 | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|----------------------------|-------|-------|---------------|
| ISO Data | | | |
| Electric strength | 18 | kV/mm | IEC 60243-1 |
| ASTM Data | | | |
| Dissipation Factor, 60 Hz | 0.002 | - | ASTM D 150 |
| Dielectric Constant, 60 Hz | 3.2 | - | ASTM D 150 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1540 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature | 120 - 130 | °C | - |
| Pre-drying - Time | 3 - 5 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Mold temperature | 70 - 90 | °C | - |
| Feed temperature | 60 - 80 | °C | - |
| Zone 1 | 245 | °C | - |
| Zone 2 | 255 | °C | - |
| Zone 3 | 265 | °C | - |
| Nozzle temperature | 270 | °C | - |
| Screw speed | 80 - 120 | rpm | - |
| Back pressure | 0.5 - 1 | MPa | - |

Characteristics**Processing**

Injection Molding

Applications

Automotive, Electrical and Electronical

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific