

Iupital ET-25

POM-CD

Mitsubishi Engineering-Plastics Corporation

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.6 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|------------------------|-------|------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2400 | MPa | ISO 527 |
| Yield stress | 51 | MPa | ISO 527 |
| Yield strain | 5 | % | ISO 527 |
| Strain at break | 10 | % | ISO 527 |
| Flexural modulus, 23°C | 2400 | MPa | ISO 178 |
| Flexural strength | 80 | MPa | ISO 178 |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 160 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 94 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 110 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 110 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Yellow Card available | yes | - | - |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-------|-------|---------------|
| ISO Data | | | |
| Volume resistivity | 0.3 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 80 | Ohm | IEC 62631-3-2 |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Humidity absorption | 0.22 | % | Sim. to ISO 62 |
| Density | 1410 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Mold temperature | 40 - 80 | °C | - |
| Zone 1 | 170 | °C | - |
| Zone 2 | 180 | °C | - |
| Zone 3 | 190 | °C | - |
| Nozzle temperature | 180 - 210 | °C | - |
| Screw speed | 80 - 120 | rpm | - |
| Injection pressure | 50 - 100 | MPa | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Increased electrical conductivity

Features

Copolymer

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa