

**Moplen EP540V**

PP

PolyMirae

| Processing/Physical Characteristics      | Value | Unit              | Test Standard |
|--|-------|-------------------|---------------|
| <b>ISO Data</b>                          |       |                   |               |
| Melt flow index, MFI                     | 110   | g/10min           | ISO 1133      |
| Temperature                              | 230   | °C                | -             |
| <b>ASTM Data</b>                         |       |                   |               |
| Melt Flow Index, MFI                     | 110   | g/10min           | ASTM D 1238   |
| Temperature                              | 230   | °C                | -             |
| Load                                     | 2.16  | kg                | -             |
| <b>Mechanical properties</b>             |       |                   |               |
| <b>ISO Data</b>                          |       |                   |               |
| Tensile Modulus                          | 1520  | MPa               | ISO 527       |
| Charpy impact strength, +23°C            | 47    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, +23°C    | 2.5   | kJ/m <sup>2</sup> | ISO 179/1eA   |
| <b>ASTM Data</b>                         |       |                   |               |
| Tensile Strength at Yield                | 23.5  | MPa               | ASTM D 638    |
| Elongation at Yield                      | 4     | %                 | ASTM D 638    |
| Flexural Modulus                         | 1570  | MPa               | ASTM D 790    |
| Izod Impact notched, 1/8 in              | 47.1  | J/m               | ASTM D 256    |
| Izod Impact notched, Low-Temperature     | 24    | J/m               | ASTM D 256    |
| Temperature                              | -20   | °C                | -             |
| <b>Thermal properties</b>                |       |                   |               |
| <b>ISO Data</b>                          |       |                   |               |
| Temp. of deflection under load, 0.45 MPa | 102   | °C                | ISO 75-1/-2   |
| <b>Other properties</b>                  |       |                   |               |
| Density                                  | 900   | kg/m <sup>3</sup> | ISO 1183      |
| Density                                  | 900   | kg/m <sup>3</sup> | ASTM D 792    |

**Characteristics****Processing**

Injection Molding

**Features**

Low Odor, Low Warpage, Copolymer

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Automotive

**Regional Availability**

Asia Pacific, Near East/Africa