# *Moplen* EP641P

**Polypropylene, Impact Copolymer**

**Product Description**

Moplen EP641P is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for having an optimized balance of stiffness and toughness. Potential applications include injection molding of containers, housewares, crates and pails, and electrical appliance parts.

**Product Characteristics**

| | |
|---|---|
| **Status** | Commercial: Active |
| **Test Method used** | ASTM |
| **Availability** | Asia-Pacific, Australia/NZ, Africa-Middle East |
| **Processing Methods** | Injection Molding |
| **Features** | Impact Copolymer, Good Impact Resistance , Good Stiffness |
| **Typical Customer Applications** | Crates, Housewares, Opaque Containers, Small Appliances |

| Typical Properties | Method | Value | Unit |
|---|---|---|---|
| **Physical** | | | |
| Density -Specific Gravity | ASTM D 792 | 0.9 | g/cm³ |
| Melt Flow Rate (230°C/2.16kg) | ASTM D 1238 | 20 | g/10 min |
| *Note*: D1238L | | | |
| **Mechanical** | | | |
| Flexural Modulus | ASTM D 790 | 15000 | kg/cm² |
| Tensile Strength @ Yield | ASTM D 638 | 280 | kg/cm² |
| Tensile Elongation @ Yield | ASTM D 638 | 5 | % |
| **Impact** | | | |
| Notched Izod Impact | ASTM D 256 | | |
| (23 °C) | | 11 | kg-cm/cm |
| (-20 °C) | | 5 | kg-cm/cm |
| **Hardness** | | | |
| Rockwell Hardness (R Scale) | ASTM D 785 | 90 | |
| **Thermal** | | | |
| Vicat softening point | ASTM D 1525 | 150 | °C |
| Heat deflection temperature at 0.46 N/mm2 | ASTM D 648 | 110 | °C |

**Notes**

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit http://www.lyb.com/.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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