

## Moplen EP380T

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP380T is polypropylene impact copolymer. With its high flow, excellent dimensional stability, and superior balance of stiffness and impact, this grade is especially suitable for injection molding. Potential end use applications include washing machine tubs, other electrical appliance parts, automotive parts, food packaging and housewares.

#### Product Characteristics

|                                      |  |
|--------------------------------------|--|
| <b>Status</b>                        | Commercial: Active   |
| <b>Test Method used</b>              | ASTM   |
| <b>Availability</b>                  | Asia-Pacific, Australia/NZ, Africa-Middle East   |
| <b>Processing Methods</b>            | Injection Molding  |
| <b>Features</b>                      | Impact Copolymer, Good Dimensional Stability, High Flow, Low Temperature Impact Resistance |
| <b>Typical Customer Applications</b> | Housewares, Opaque Containers, Washing   |

| Typical Properties                                    | Method      | Value | Unit              |
|---|-------------|-------|-------------------|
| <b>Physical</b>                                       |             |       |                   |
| Density -Specific Gravity                             | ASTM D 792  | 0.90  | g/cm <sup>3</sup> |
| Melt Flow Rate (230°C/2.16kg)                         | ASTM D 1238 | 44    | g/10 min          |
| <b>Mechanical</b>                                     |             |       |                   |
| Flexural Modulus                                      | ASTM D 790  | 1150  | MPa               |
| Tensile Strength @ Yield                              | ASTM D 638  | 24    | MPa               |
| Tensile Elongation @ Yield                            | ASTM D 638  | 6     | %                 |
| <b>Impact</b>   |             |       |                   |
| Notched Izod Impact (23 °C)                           | ASTM D 256  | 62    | J/m               |
| <b>Thermal</b>  |             |       |                   |
| Heat deflection temperature at 0.46 N/mm <sup>2</sup> | ASTM D 648  | 90    | °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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equivalent regulatory classification.

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

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Release Date: 06 Dec 2007