



## Moplen EP348N

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP348N is a polypropylene impact copolymer. This grade has good stiffness and high impact with good thermal ageing stability. Potential applications include pails, luggage, toys, crates, houseware, two wheeler moulded parts and battery cases etc.

#### Product Characteristics

|                                      |                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Status</b>                        | Commercial: Active                                                                      |
| <b>Test Method used</b>              | ISO                                                                                     |
| <b>Availability</b>                  | Europe, Asia-Pacific, Africa-Middle East                                                |
| <b>Features</b>                      | High Impact Resistance , Good Stiffness , Good Thermal Aging Resistance                 |
| <b>Typical Customer Applications</b> | Battery Cases, Crates, Housewares, Luggage, Opaque Containers, Sports, Leisure and Toys |

| Typical Properties                                  | Method        | Value | Unit              |
|-----------------------------------------------------|---------------|-------|-------------------|
| <b>Physical</b>                                     |               |       |                   |
| Density                                             | ISO 1183      | 0.9   | g/cm <sup>3</sup> |
| Melt flow rate (MFR) (230°C/2.16kg)                 | ISO 1133      | 11    | g/10 min          |
| <b>Mechanical</b>                                   |               |       |                   |
| Tensile Stress at Yield                             | ISO 527-1, -2 | 23    | MPa               |
| Flexural modulus                                    | ISO 178       | 1200  | MPa               |
| Elongation at yield                                 | ISO 527       | 6     | %                 |
| <b>Impact</b>                                       |               |       |                   |
| Notched izod impact strength (23 °C)                | ISO 180       | 25    | kJ/m <sup>2</sup> |
| <b>Thermal</b>                                      |               |       |                   |
| Heat deflection temperature B (0.45 MPa) Unannealed | ISO 75B-1, -2 | 97    | °C                |

#### Additional Properties

##### Hardness

Rockwell hardness– Internal test method - 80 R scale

#### 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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All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

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

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