

# Moplen EP332K

## Block copolymer



### Product Description

**Moplen EP332K** is the polypropylene block copolymer manufactured by Ulsan PP under the license of **Lyondellbasell** using the **Spheripol** process. This product is particularly suitable for injection molding of toy and crates. **Moplen EP332K** resin meets the **FDA** requirements in the Code of Federal Regulations in **21 CFR 177.1520** for food contact and a flame rating of **UL94HB**.

**Features** Optimized balance of stiffness and toughness / High impact strength at low temperature / High Stiffness / Low warpage / UL94HB

**Market** Consumer products, Industrial & Pipe

**Application** Toy / Crate / Housewares

### ASTM Data

| Typical Properties             | Nominal Value | Units              | Test Method |
|--------------------------------|---------------|--------------------|-------------|
| Melt Flow Rate (230°C, 2.16kg) | 5             | g/10 min           | ASTM D1238L |
| Density                        | 0.9           | g/cm <sup>3</sup>  | ASTM D1505  |
| Flexural Modulus               | 11500         | kg/cm <sup>2</sup> | ASTM D790   |
| Tensile Strength at Yield      | 250           | kg/cm <sup>2</sup> | ASTM D638   |
| Elongation at Yield            | 9             | %                  | ASTM D638   |
| Izod Impact Strength (23°C)    | 15            | kgfcm/cm           | ASTM D256   |
| Izod Impact Strength (-20°C)   | 7             | kgfcm/cm           | ASTM D256   |
| Rockwell Hardness              | 95            | R-Scale            | ASTM D785   |
| Vicat Softening Point          | 150           | °C                 | ASTM D1525  |
| HDT (0.46 N/mm <sup>2</sup> )  | 88            | °C                 | ASTM D648   |

1) The above values are typical property values for reference only, not be construed as specification limits.

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- iv. lead, asbestos or MTBE related applications.

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- iv. packaging in direct contact with an active pharmaceutical ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
- v. tobacco related products and applications;
- vi. electronic cigarettes and similar devices; or
- vii. pressure pipe or fittings that are considered a part or component of a nuclear reactor

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

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