

## Moplen HP522H

Homopolymer



### Product Description

Moplen HP522H is the polypropylene homopolymer manufactured by PMC under the license of Lyondellbasell using the Spheripol process. Moplen HP522H is a homopolymer particularly suitable for Metallizable BOPP film. Moplen HP522H resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

**Features** Excellent processability and stretchability/ High stiffness and strength/ Good barrier properties/ Good optical properties/ Excellent Metallizability

**Market** Flexible Packaging

**Application** General purpose film/ Metallizable BOPP film/ Cigarette film

### ASTM Data

| Typical Properties             | Nominal Value | Units              | Test Method |
|--------------------------------|---------------|--------------------|-------------|
| Melt Flow Rate (230°C, 2.16kg) | 2             | g/10 min           | ASTM D1238L |
| Density                        | 0.9           | g/cm <sup>3</sup>  | ASTM D1505  |
| Flexural Modulus               | 15500         | kg/cm <sup>2</sup> | ASTM D790   |
| Tensile Strength at Yield      | 370           | kg/cm <sup>2</sup> | ASTM D638   |
| Elongation at Yield            | 12            | %                  | ASTM D638   |
| Izod Impact Strength (23°C)    | 5             | kgcm/cm            | ASTM D256   |
| Rockwell Hardness              | 98            | R-Scale            | ASTM D785   |
| Vicat Softening Point          | 155           | °C                 | ASTM D1525  |
| HDT (0.46 N/mm <sup>2</sup> )  | 110           | °C                 | ASTM D648   |

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

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