



Moplen HP622J

Polypropylene, Homopolymer

Product Description

Moplen HP622J is a polypropylene homopolymer manufactured using the Spheripol process. It is a BOPP core layer resin designed for use in high speed tender process and particularly suitable for Metallisable BOPP film production. It has wide processing window and excellent processability and stretchability. Typical applications include general purpose BOPP films, Metallisable BOPP films and cigarette film.

Product Characteristics

| | |
|--------------------------------------|---|
| Status | Commercial: Active |
| Test Method used | ASTM |
| Availability | Asia-Pacific, Australia/NZ, Africa-Middle East |
| Processing Methods | BOPP |
| Features | Homopolymer, Good Processability, High Stiffness, Good Stretchability |
| Typical Customer Applications | Food Packaging Film, Lamination Film |

| Typical Properties | Method | Value | Unit |
|---|-------------|-------|--------------------|
| Physical | | | |
| Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i> | ASTM D 1238 | 3 | g/10 min |
| Density | ASTM D 1505 | 0.9 | g/cm ³ |
| Mechanical | | | |
| Flexural Modulus | ASTM D 790 | 16000 | kg/cm ² |
| Tensile Strength @ Yield | ASTM D 638 | 370 | kg/cm ² |
| Tensile Elongation @ Yield | ASTM D 638 | 12 | % |
| Impact | | | |
| Notched Izod Impact (23 °C) | ASTM D 256 | 4 | kg-cm/cm |
| Hardness | | | |
| Rockwell Hardness (R Scale) | ASTM D 785 | 95 | |
| Thermal | | | |
| Vicat softening point | ASTM D 1525 | 146 | °C |
| Heat deflection temperature at 0.46 N/mm ² | ASTM D 648 | 106 | °C |

Notes

Typical properties; not to be construed as specifications.