

HP525J

Homopolymer

Description:

HP525J is a medium flow homopolymer with bimodal molecular weight distribution and good clarity intended for BOPP films. The product is suitable for metallizable film, both as monolayer and in coextruded structures. It contains a standard processing stabilisation but does not contain any slip, antiblocking agents and is Calcium Stearate free. HP525J offers good optical properties, easy processing and very stable film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets. HP525J is suitable for food contact.

Typical Applications

- High quality packaging film for food
- Lamination to other films
- Metalizing Film
- Medical packaging
- Thermoformed food containers

Features: Medium Flow, Good processability, Good Transparency and Gloss, Homopolymer

Suitable for: BOPP Film and Thermoforming applications

Product Specification

| PHYSICAL/MECHANICAL PROPERTIES | VALUE* | UNIT | TEST METHOD |
|--|--------|-------------------|-------------|
| Melt Flow Rate (230 °C, 2.16kg) | 3.0 | g/10 min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Flexural Modulus | 1550 | MPa | ASTM D790 |
| Tensile Strength at Yield | 35 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 12 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23 °C | 55 | J/m | ASTM D256 |
| Rockwell Hardness | 105 | R Scale | ASTM D785 |
| Vicat softening point (10 N) | 156 | °C | ASTM D1525 |
| H.D.T. (0.46 Mpa) | 94 | °C | ASTM D648 |
| Accelerated oven ageing in air at 150 °C | 500 | h | ASTM D3012 |
| Haze (20µm) | 0.5 | % | ASTM D1003 |

* Typical values; not to be considered as product specification.