

Jampilen HP510M

Homopolymer

Description:

"Jampilen HP510M" is a homopolymer particularly suited for the extrusion of cast and water quenched blown films.

"Jampilen HP510M" is formulated with a general purpose stabilization package and does not contain any slip or antiblocking agents. This grade exhibits excellent processability and outstanding optical properties.

"Jampilen HP510M" renders high gloss finish in laminates and exhibits good printability after Corona treatment.

Processing Method:

Cast film
Water quenched blown film
Extrusion (Small pipes)
Blow molding

Features:

Excellent processability
Good optical properties
Excellent gloss
Homopolymer

Typical Applications:

Film for packaging food-stuffs such as pasta, snacks, biscuits, bakery products and confectionery
Film for packaging of flowers, books, stationery, blankets, shirts, knitwear and hosiery
Lamination with polyester, polyamide and aluminum for packaging of snacks, crisps, sweets, coffee, meat products and pre-cooked foods
Small pipes and drinking straws
Blow molded pigmented bottles
Coextruded sheet

Approval:

Food

| TYPICAL PROPERTIES | VALUE | UNIT | METHOD |
|--|-------|-------------------|------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16kg) | 9.0 | g/10min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| 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 | 37 | J/m | ASTM D256 |
| Rockwell Hardness | 102 | R Scale | ASTM D785 |
| Thermal | | | |
| Vicat softening point (10N) | 154 | °C | ASTM D1525 |
| H.D.T. (0.46 Mpa) | 95 | °C | ASTM D648 |
| Accelerated oven ageing in air at 150 °C | 360 | hours | ASTM D3012 |
| Optical | | | |
| Haze | 1.2 | % | ASTM D1003 |
| Gloss | 88 | ---- | ASTM D2457 |