

Braskem PP HP 522J

Polypropylene Homopolymer

Braskem

Message:

HP 522J is a low fluidity homopolymer with good processability. The product is suitable for metallisable film, both as monolayer and coextruded structures. It does not contain any slip or anti-blocking agents and it is Calcium Stearate free.

Applications:

BOPP films for flexible packaging.

Processing:

Bioriented Film (BOPP)

| General Information | |
|---------------------|---|
| Features | Good Flexibility Homopolymer Low Flow |
| Uses | Packaging |
| Agency Ratings | FDA 21 CFR 177.1520 |
| Processing Method | Bi-axially Oriented Film Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-------------------------|
| Specific Gravity | 0.905 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 3.1 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D, Injection Molded) | 72 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, Injection Molded) | 35.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield, Injection Molded) | 9.0 | % | ASTM D638 |
| Flexural Modulus - 1% Secant (Injection Molded) | 1550 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, Injection Molded) | 50 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded) | 88.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 152 | °C | ASTM D1525 ¹ |

| NOTE | |
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| 1. | Loading 1 (10 N) |

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