

SABIC® PP 623B

Polypropylene Random Copolymer

SABIC Americas, Inc.

Message:

Provisional - PP Random copolymer for CastPP Film

PP 623B is a PP Random Copolymer grade specially designed for Cast PP (CPP) film extrusion. It contains anti-block additive. PP 623B offers good heat weldability for the sealing layers of CPP film.

Films produced using PP 623B will exhibit:

- Excellent processability
- Good weldability
- High clarity
- High gloss

Typical Applications

PP 623B can be used mainly for the Cast film of food and non-food packaging.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Additive | Antiblock | | |
| Features | Antiblocking | | |
| | Food Contact Acceptable | | |
| | Good Processability | | |
| | High Clarity | | |
| | High Gloss | | |
| | Random Copolymer | | |
| | Weldable | | |
| Uses | Cast Film | | |
| | Food Packaging | | |
| | Packaging | | |
| Forms | Pellets | | |
| Processing Method | Cast Film | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity ¹ | 0.900 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 6.0 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale, Injection Molded) | 92 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, Injection Molded) | 27.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield, Injection Molded) | 12 | % | ASTM D638 |
| Flexural Modulus - 1% Secant (Injection Molded) | 950 | MPa | ASTM D790A |

| Impact | Nominal Value | Unit | Test Method |
|--|------------------|------|-------------------------|
| Notched Izod Impact (23°C, Injection Molded) | 55 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 78.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 132 | °C | ASTM D1525 ² |
| NOTE | | | |
| 1. | 23°C | | |
| 2. | Rate B (120°C/h) | | |

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