# 200-SB08

## Product Technical Information

Polypropylene 200-SB08 is a random copolymer polypropylene with a Melt Flow Index of 8 g/10 min for the cast extrusion of films with very good optical properties and easy heat weldability.

Polypropylene 200-SB08 is formulated with slip and anti-block agents. It is intended for food, magazine or textile packaging, for lamination films... as well as for stationary supplies.

## Characteristics

| Properties | Test Methods | Values | Units |
|---|---|---|---|
| **Rheological** | | | |
| Melt Flow Rate 230°C/2.16Kg | ISO 1133 | 8 | g/10 min |
| **Mechanical** | | | |
| Tensile Strength at Yield | ISO 527-2 | 27 | MPa |
| Elongation at Yield | ISO 527-2 | 10 | % |
| Tensile modulus | ISO 527-2 | 1050 | MPa |
| Flexural modulus | ISO 178 | 950 | MPa |
| Izod Impact Strength (notched) at 23°C | ISO 180 | 6 | kJ/m² |
| Charpy Impact Strength (notched) at 23°C | ISO 179 | 8 | kJ/m² |
| Hardness Rockwell - R-scale | ISO 2039-2 | 86 | |
| **Thermal** | | | |
| Melting Point | ISO 3146 | 145 | °C |
| Vicat Softening Point | ISO 306 | | °C |
| 10N-50°C per hour | | 136 | |
| **Other physical properties** | | | |
| Density | ISO 1183 | 0.905 | g/cm³ |
| Bulk Density | ISO 60 | 0.525 | g/cm³ |

**Data should not be used for specification work**

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## Additional Properties: typical film properties on 50µm thick cast film

| Properties | Test Methods | Values | Units |
|---|---|---|---|
| **Optical** | | | |
| Gloss 45° | ASTM D2457 | 89 | |
| Haze | ISO 14782 | 1.2 | % |
| **Mechanical*** | | | |
| Tensile Strength at Yield MD / TD * | ISO 527-3 | 18 / 18 | MPa |
| Tensile Strength at Break MD / TD * | ISO 527-3 | 36 / 26 | MPa |
| Tensile Elongation at Break MD / TD * | ISO 527-3 | 500 / 470 | % |
| Dart Impact | ISO 7765-1 | 320 | g |
| Elmendorf MD / TD | ISO 6383-2 | 15 / 30 | N/mm |

**Data should not be used for specification work**

* MD: Machine Direction TD: Transverse Direction

## Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.




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