



FL203D

Polypropylene Homopolymer / BOPP Film Application

PRODUCT DESCRIPTION

FL203D is a Polypropylene Homopolymer resin without slip and anti-block additive for biaxially oriented polypropylene (BOPP) film with the characteristic of good stiffness and stable for stretching process.

TYPICAL APPLICATION

- Flexible packaging
- Metallized film
- Packaging films

PRODUCT FEATURES

- Good stiffness
- High transparency
- Stable for stretching process
- Metallizable BOPP film

COMPLIANCE

- FDA US 21 CFR 177.1520
- Commission Regulation (EU) No. 10/2011
- RoHS
- REACH

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Flow Index (2.16 kg/230 °C)	ASTM D1238	g/10 min	3.0
Density	ASTM D792	g/cm ³	0.90
Tensile Strength at Yield	ASTM D638	MPa	36
Elongation at Yield	ASTM D638	%	10
Izod Notched Impact Strength (at 23 °C)	ASTM D256	J/m	35
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1550
Rockwell Hardness	ASTM D785	R-Scale	105
Heat Distortion Temperature (0.45 MPa)	ASTM D648	°C	95

Remark: The values presented on the above are typical laboratory, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.



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PROCESSING TECHNIQUE

Barrel Temperature	: 220 - 240°C
Adaptor Pipe Temperature	: 240 - 250°C
Die Temperature	: 240 - 250°C
Chill Roll Temperature	: 20 °C
MDO Stretching Temperature	: 135 - 140°C
Annealing Roll Temperature	: 145 °C
TDO Stretching Temperature	: 165- 170°C
Annealing Oven Temperature	: 165 -170°C
MDO Stretching Ratio	: 4.2 - 5.0
TDO Stretching Ratio	: 9.0 - 10.0

*However, product clarity and surface appearance depends on film quality, the actual processing conditions depend on machine, equipment and other environments.

PRODUCT PACKAGING

- 25 kg loose bag

For further information, contact the IRPC's Sales representative.

STORAGE

Storage at ambient temperature preferably not higher than 38 °C (100 °F).

- Dry environment with the exclusion of contamination.
- Protection against direct sunlight, radiation and artificial light containing UV-Radiation.
- Protection from ozone-generating electrical devices.
- Under these optimal conditions, the physical properties of resins should remain stable with the exception of the yellowness index which is expected to increase over time.

More information provide in safety data sheet.

SAFETY

This product is not classified as hazardous material for more information please refer to safety data sheet.

RECYCLING

It is an undisputed fact that the product can be recycled or disposed of without any problem.