POLIMAXX FL203D

IRPC Public Company Limited - *Polypropylene Homopolymer*

General Information

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.

PRODUCT FEATURES:

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

TYPICAL APPLICATION:

- Flexible packaging
- Metallized film
- Packaging films

COMPLIANCE:

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

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Food Contact Acceptable • Good Stiffness	• Good Stretchability • High Clarity	• Homopolymer • Metallizable
Uses	• Bi-axially Oriented Film • Film	• Flexible Packaging • Packaging	
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Bi-axially Oriented Film		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	5220	psi	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant	225000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	0.66	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	105		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	203	°F	ASTM D648

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	428 to 464	°F
Cylinder Zone 2 Temp.	428 to 464	°F
Cylinder Zone 3 Temp.	428 to 464	°F
Cylinder Zone 4 Temp.	428 to 464	°F

Adapter Temperature	464 to 482 °F
Die Temperature	464 to 482 °F

Notes

[1] Typical properties: these are not to be construed as specifications.