

POLIMAXX 1100PK

IRPC Public Company Limited - *Polypropylene Homopolymer*

General Information

Product Description

1100PK is a Polypropylene Homopolymer that may be used in a range of manufacturing processes such as injection molding, multi filament with medium melt flow ability.

PRODUCT FEATURES:

- Good stiffness
- Food contact safety
- Odorless

TYPICAL APPLICATION:

- Food containers
- Housewares
- Multifilament fiber

COMPLIANCE:

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

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Food Contact Acceptable	• Homopolymer	• Odorless
	• Good Stiffness	• Medium Flow	
Uses	• Fibers	• Food Containers	
	• Filaments	• Household Goods	
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

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)	15 g/10 min		ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5220	psi	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant	218000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.58	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	374 to 464	°F
Middle Temperature	374 to 464	°F
Front Temperature	374 to 464	°F
Mold Temperature	104 to 140	°F
Injection Rate	Slow-Moderate	

