

## POLIMAXX 1100S

IRPC Public Company Limited - *Polypropylene Homopolymer*

### General Information

#### Product Description

1100S is a Polypropylene Homopolymer that may be used in a range of manufacturing processes such as injection molding with high melt flow ability.

#### PRODUCT FEATURES:

- Good stiffness
- Food contact safety
- High Productivity
- Odorless

#### TYPICAL APPLICATION:

- Long path and complex parts
- Food containers
- Housewares
- Compounding

#### 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	• High Flow	• Odorless
	• Good Stiffness	• Homopolymer	
Uses	• Compounding	• Food Containers	
	• Engineering Parts	• Household Goods	
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	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)	0.51	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

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

