

# POLIMAXX 1100PK

Polypropylene Homopolymer

IRPC Public Company Limited

## Message:

1100PK is a Polypropylene Homo-polymer with the characteristic of high flow, good stiffness and good process ability for injection molding and multi-filament process. It is suitable for the complex part, long path and thin wall. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	High Flow		
	Homopolymer		
Uses	Belts/Belt Repair		
	Fibers		
	Filaments		
	Food Containers		
	Household Goods		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	26	%	ASTM D638
Flexural Modulus - 1% Secant	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m <sup>2</sup>	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 240	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

