

POLIMAXX 1100RC

Polypropylene Homopolymer
IRPC Public Company Limited

Message:

1100RC is a Polypropylene Homo-polymer with the characteristic of high flow, good stiffness and good process ability for injection molding process, extrusion coating and multi-filament. It is suitable for the production of 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			
UL YellowCard	E132283-222094		
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	High Flow		
	Homopolymer		
Uses	Belts/Belt Repair		
	Coating Applications		
	Fibers		
	Filaments		
	Food Containers		
	Household Goods		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	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)	2.4	kJ/m ²	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	
Extrusion	Nominal Value	Unit	
Melt Temperature	240 to 280	°C	

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