

# POLIMAXX 1140U

Polypropylene Homopolymer  
IRPC Public Company Limited

Message:

1140U is a Polypropylene Homo-polymer resin for injection molding with high flow and good stiffness characteristic. It is suitable for the production of long path and thin wall. Typical applications are house-ware, food container. 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 Stiffness		
	High Flow		
	Homopolymer		
Uses	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)	55	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	26	%	ASTM D638
Flexural Modulus - 1% Secant	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.8	kJ/m <sup>2</sup>	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	120	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 240	°C	

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