

POLIMAXX 1140VC

Polypropylene Homopolymer
IRPC Public Company Limited

Message:

1140VC 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, Thin wall 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	Rigid, good		
	Homopolymer		
	High liquidity		
	Compliance of Food Exposure		
Uses	Thin wall parts		
	Thin wall container		
	Household goods		
	Food container		
Agency Ratings		FDA 21 CFR 177.1520	
RoHS Compliance		RoHS compliance	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	90	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)	25	%	ASTM D638
Flexural Modulus - 1% Secant	1700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ASTM D256
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 - 240	°C	

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