

# POLIMAXX GP150

General Purpose Polystyrene  
IRPC Public Company Limited

Message:

GP150 is a general purpose grade of polystyrene resin for injection molding process with easy flow and good clarity. It is suitable for food packaging, electrical appliances (such as refrigerator food tray), household products, sanitary ware and etc. It also meets the requirement of food contact regulation.

General Information			
UL YellowCard	E132283-222120		
Features	Food Contact Acceptable		
	General Purpose		
	Good Flow		
	Medium Clarity		
Uses	Appliance Components		
	Electrical/Electronic Applications		
	Food Packaging		
	General Purpose		
	Household Goods		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 23°C, 6.35 mm)	71		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	43.4	MPa	ASTM D638
Flexural Modulus (23°C)	3170	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	82.8	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	93.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 240	°C	

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