

POLIMAXX GP110

General Purpose Polystyrene

IRPC Public Company Limited

Message:

GP110 is a general purpose grade of polystyrene resin for extrusion process and injection process with high strength and good clarity. It is suitable for food packaging (XPS), electrical appliances (refrigerator food tray), household products, sanitary ware and etc. It also meets the requirement of food contact regulation.

General Information	
UL YellowCard	E132283-222119
Features	Food Contact Acceptable
	General Purpose
	High Strength
	Medium Clarity
Uses	Appliance Components
	Electrical/Electronic Applications
	Food Packaging
	General Purpose
	Household Goods
RoHS Compliance	RoHS Compliant
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.7	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 23°C, 6.35 mm)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	52.4	MPa	ASTM D638
Flexural Modulus (23°C)	3240	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	99.9	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	98.0	°C	ASTM D648
Vicat Softening Temperature	107	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94
Injection	Nominal Value	Unit	

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