

POLIMAXX 120PC

Styrene Acrylonitrile
IRPC Public Company Limited

Message:

120PC is a general purpose grade of acrylonitrile styrene resin for injection molding process with natural color and clarity. It is suitable for household products (sanitary ware), electrical appliances (electric fan), cosmetic packaging, and automotive parts (lamp).

General Information			
Features	General Purpose		
	Medium Clarity		
Uses	Appliance Components		
	Automotive Applications		
	Cosmetic Packaging		
	Electrical/Electronic Applications		
	Household Goods		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.6	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 23°C, 6.35 mm)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	70.6	MPa	ASTM D638
Flexural Modulus (23°C)	3730	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	81.0	°C	ASTM D648
Vicat Softening Temperature	108	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 3.0	hr	
Processing (Melt) Temp	210 to 260	°C	

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