

POLIMAXX 320PC

Styrene Acrylonitrile
IRPC Public Company Limited

Message:

320PC is a high chemical high heat grade of acrylonitrile styrene resin for injection molding with natural color and clarity. It is recommended for application where a resistance of chemical and heat are important such as lighter, cosmetic packaging, sanitary ware.

General Information			
UL YellowCard	E132283-100048431		
Features	Good Chemical Resistance		
	High Heat Resistance		
	Medium Clarity		
Uses	Cosmetic Packaging		
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)	1.9	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)	80.0	MPa	ASTM D638
Flexural Modulus (23°C)	3830	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	134	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	22	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	86.0	°C	ASTM D648
Vicat Softening Temperature	106	°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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