

POLIMAXX 320PC

IRPC Public Company Limited - *Styrene Acrylonitrile*

General Information

Product Description

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

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Features	• Chemical Resistant • Good Clarity • High Heat Resistance
Uses	• Cosmetic Packaging
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.9	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	11600	psi	ASTM D638
Flexural Modulus (73°F)	556000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	19400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	0.40	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 73°F, 0.250 in)	93		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	187	°F	ASTM D648
Vicat Softening Temperature	223	°F	ASTM D1525

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 185	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	410 to 500	°F

