

POLIMAXX 129PC

 IRPC Public Company Limited - *Styrene Acrylonitrile*
General Information
Product Description

129PC is a general purpose grade of acrylonitrile styrene resin for injection molding process with slightly blue color and clarity appearance. It is suitable for household products (sanitary ware), electrical appliances (electric fan), cosmetic packaging, and automotive parts (lamp).

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• General Purpose • Good Clarity		
Uses	• Appliance Components • Automotive Applications	• Cosmetic Packaging • Electrical/Electronic Applications	• General Purpose • Household Goods
Appearance	• Blue		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.8	g/10 min	ASTM D1238
Mechanical			
Tensile Strength (Yield, 73°F)	10200	psi	ASTM D638
Flexural Modulus (73°F)	540000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	17100	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.250 in)	0.40	ft-lb/in	ASTM D256
Hardness			
Rockwell Hardness (M-Scale, 73°F, 0.250 in)	93		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	178	°F	ASTM D648
Vicat Softening Temperature	226	°F	ASTM D1525

Processing Information

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

Notes

¹ Typical properties: these are not to be construed as specifications.

