

POLIMAXX HG730

IRPC Public Company Limited - High Impact Polystyrene

General Information

Product Description

HIPS High gloss, high impact grade

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• High Gloss	• High Impact Resistance	
Uses	• Appliance Components • Automotive Applications	• Electrical/Electronic Applications • Household Goods	
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)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	4720	psi	ASTM D638
Flexural Modulus (73°F)	341000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	8210	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	2.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	213	°F	ASTM D1525 ²
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	97		ASTM D523

Notes

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

² Loading 1 (10 N)

