

POLIMAXX GA800

Acrylonitrile Butadiene Styrene
IRPC Public Company Limited

Message:

GA800 is a general purpose grade of ABS resin for injection molding process with high gloss high impact resistance. It is suitable for house-wares, electrical appliance (microwave part, electrical fan), toys, telephone and etc. It also meets the requirement of food contact regulation and USP class VI.

General Information			
UL YellowCard	E132283-222063		
Features	Food Contact Acceptable		
	General Purpose		
	High Gloss		
	High Impact Resistance		
Uses	Appliance Components		
	Electrical/Electronic Applications		
	General Purpose		
	Household Goods		
	Toys		
Agency Ratings	USP Class VI		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C, 6.35 mm)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	52.0	MPa	ASTM D638
Flexural Modulus (23°C)	2350	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	70.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	260	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	96.0	°C	
1.8 MPa, Unannealed, 6.35 mm	87.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 85.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	190 to 240	°C

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