

POLIMAXX GA850

Acrylonitrile Butadiene Styrene

IRPC Public Company Limited

Message:

GA850 is a general purpose grade of ABS resin for injection molding process with 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	E132283-222066		
Features	Food Contact Acceptable		
	General Purpose		
	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	hr
Processing (Melt) Temp	190 to 240	°C

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