

POLIMAXX GA300

Acrylonitrile Butadiene Styrene
IRPC Public Company Limited

Message:

GA300 is a high flow grade of ABS resin for injection molding process with featuring of high gloss and easy flow ability. It is suitable for air conditioner, toys, sanitary ware, cosmetic packaging, and etc.

General Information			
UL YellowCard	E132283-222058		
Features	High Flow		
	High Gloss		
Uses	Appliance Components		
	Cosmetic Packaging		
	Toys		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C, 6.35 mm)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	47.1	MPa	ASTM D638
Flexural Modulus (23°C)	2260	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	65.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	220	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	94.0	°C	
1.8 MPa, Unannealed, 6.35 mm	86.0	°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 5.0	hr	
Processing (Melt) Temp	180 to 240	°C	

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Recommended distributors for this material

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