

POLIMAXX KU901

Acrylonitrile Butadiene Styrene
IRPC Public Company Limited

Message:

KU901 is a high heat resistance grade of ABS resin for injection molding process. It is specially designed for automotive parts (instrument panel) and electrical appliance (rice cooker, coffee maker, microwave part and etc).

General Information			
UL YellowCard	E132283-100640056		
Features	High Heat Resistance		
Uses	Appliance Components		
	Automotive Applications		
	Automotive Instrument Panel		
	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.0	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)	49.0	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)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	114	°C	
1.8 MPa, Unannealed, 6.35 mm	104	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	190 to 240	°C	

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