

POLIMAXX KU650

IRPC Public Company Limited - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

KU650 is a super high heat resistance grade of ABS resin for injection molding process. It is designed for automotive parts such as instrument panel, console box, switches, housing lamp and etc.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• High Heat Resistance		
Uses	• Automotive Applications • Automotive Instrument Panel	• Housings • Switches	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	1.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	6400	psi	ASTM D638
Flexural Modulus (73°F)	299000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	9250	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	2.6	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F, 0.250 in)	110		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed, 0.250 in)	252	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	235	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 194	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	374 to 464	°F

Notes

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

