

# POLIMAXX 2311KXTA4

Polypropylene Impact Copolymer

IRPC Public Company Limited

## Message:

2311KXTA4 is a PP Block copolymer with 20% talcum filler for injection molding process, medium melt flow, high flexural modulus and high heat resistance. It is suitable for auto parts and electrical appliances.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Block Copolymer		
	High Heat Resistance		
	High Stiffness		
	Medium Flow		
Uses	Appliance Components		
	Automotive Applications		
	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 584 mm)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	32.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Flexural Modulus (23°C)	3040	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	46.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	4.71	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	140	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 3.0	hr	
Processing (Melt) Temp	190 to 240	°C	

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