POLIMAXX 2311KXTA4

IRPC Public Company Limited - *Polypropylene Impact Copolymer*

General Information

Product Description

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			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Talc, 20% Filler by Weight		
Features	• Block Copolymer	• High Heat Resistance	• Medium Flow
Uses	• Appliance Components	• Automotive Applications	• Electrical/Electronic Applications
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 73°F)	4760	psi	ASTM D638
Tensile Elongation (Break, 73°F)	20	%	ASTM D638
Flexural Modulus (73°F)	441000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	6680	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Area) (73°F)	2.24	ft·lb/in²	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 73°F)	102		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	284	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 185	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	374 to 464	°F