

## POLIMAXX 2511PCXTA6

IRPC Public Company Limited - Polypropylene Impact Copolymer

### General Information

#### Product Description

2511PCXTA6 is a PP Block copolymer with 30% Talcum filler for injection molding process, high 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, 30% Filler by Weight		
Features	• Block Copolymer	• High Heat Resistance	
	• High Flow	• High Stiffness	
Uses	• Appliance Components	• Automotive Applications	• Electrical/Electronic Applications
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	3200	psi	ASTM D638
Tensile Elongation (Break, 73°F)	8.0	%	ASTM D638
Flexural Modulus (73°F)	469000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	5550	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (73°F)	2.33	ft·lb/in <sup>2</sup>	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	88		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

