POLIMAXX 2511HXGA5

IRPC Public Company Limited - *Polypropylene Impact Copolymer*

General Information

Product Description

2511HXGA5 is a PP Block co-polymer with 25% Glass fiber filler for extrusion process, features low 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	• Glass Fiber, 25% Filler by Weight		
Features	• Block Copolymer • High Heat Resistance	• High Stiffness • Low Flow	
Uses	• Appliance Components	• Automotive Applications	• Electrical/Electronic Applications
Processing Method	• Extrusion		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 73°F)	9170	psi	ASTM D638
Tensile Elongation (Break, 73°F)	7.0	%	ASTM D638
Flexural Modulus (73°F)	697000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	10500	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Area) (73°F)	9.57	ft·lb/in²	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 73°F)	96		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	318	°F	ASTM D648

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	176 to 185	°F
Drying Time	2.0 to 3.0	hr
Melt Temperature	374 to 464	°F