POLIMAXX 1196NN

IRPC Public Company Limited - *Polypropylene Homopolymer*

General Information

Product Description

1196NN is a PP Homopolymer with Flame-retardant additive for injection molding process, features medium melt flow, high flexural modulus and high heat resistance. It is suitable for electrical appliances.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Flame Retardant		
Features	• Flame Retardant • High Heat Resistance	• Homopolymer • Medium Flow	
Uses	• Appliance Components	• Electrical/Electronic Applications	
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 73°F)	4410	psi	ASTM D638
Tensile Elongation (Break, 73°F)	21	%	ASTM D638
Flexural Modulus (73°F)	313000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	5970	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Area) (73°F)	2.10	ft·lb/in²	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 73°F)	101		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	266	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in)	V-2		UL 94

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