Manufacturer website: https://www.irpc.co.th/en/

POLIMAXX

1196NN

Polypropylene Flame Retardant

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.

Physical Properties:	Method	Unit	Value
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min.	13.5
Density	ASTM D792	g/cm^3	1.03
Izod Notched Impact (23°C)	ASTM D256	$Kg\text{-}cm/cm^2$	4.5
Tensile Strength at Yield (23°C)	ASTM D638	kg/cm^2	310
Elongation at Break (23°C)	ASTM D638	%	21
Flexural Strength at Yield (23°C)	ASTM D790	kg/cm^2	420
Flexural Modulus (23°C)	ASTM D790	$\times 10^4 kg/cm^2$	2.2
Rockwell Hardness (23°C)	ASTM D785	R-Scale	101
Heat Distortion Temperature (4.6 kg/cm^2)	ASTM D648	°C	130
Flammability	UL-94	-	V2(1.5)

Processing Technique

Drying Temperature: 80-85°C, 2-3 hrs

Processing Temperature: 190-240°C

However, the actual processing conditions depend on mold design, power of machine, screw configurations and other environments.

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitable of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

Product Data sheet

REV. 20110701

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