

Moplen HP600N

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP600N is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of Moplen HP600N are:

- Food Contact Acceptable
- Good Aesthetics
- Good Processability
- High Gloss
- Homopolymer
- Typical applications include:
 - Containers
 - Food Contact Applications
 - Household Applications

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	Good Processability		
	Good Surface Finish		
	High Gloss		
	Homopolymer		
Uses	Food Containers		
	General Purpose		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.3	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	1620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method


Notched Izod Impact (23°C, Injection Molded)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	107	°C	ASTM D648

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