

# Moplen HF600N

Polypropylene Homopolymer

PolyMirae

## Message:

Moplen HF600N is the polypropylene homopolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen HF600N is a homopolymer with improved productivity and lower energy consumption and selected by customers for use in injection molding of houseware articles, containers and general purpose.

Moplen HF600N is an ADDIFORM homopolymer, ADDIFORM is the new controlled morphology polypropylene and is not palletized. Compared to ordinary palletized polypropylene, ADDIFORM gives considerable advantages in productivity, processing and energy consumption.

Moplen HF600N resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Processability		
	Homopolymer		
Uses	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 <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	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)	1570	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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#### Recommended distributors for this material

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