

Moplen HP601N

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP601N is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen HP601N is a homopolymer typically used by customers in Glass Mat Sheet and thermoforming applications. Moplen HP601N resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Colorability		
	Good Processability		
	Good Processing Stability		
	Good Stiffness		
	Good Surface Finish		
	Good Toughness		
	High Gloss		
	Homopolymer		
	Low Warpage		
Uses	Closures		
	Household Goods		
	Packaging		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Thermoforming		
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)	1670	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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