

Moplen HP601N

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP601N is a polypropylene homopolymer manufactured using the Spheripol process. It is suitable for injection molding and sheet extrusion, with potential end use applications in glass mat sheet and thermoforming.

General Information	
Features	Homopolymer
	Workability, good
	Good stretchability
	Good strength
Uses	Packaging
	Industrial application
	Sheet
Forms	Particle
Processing Method	Pipeline extrusion molding
	Sheet extrusion molding
	Thermoforming
	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)	34.3	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	107	°C	ASTM D648
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