

Technical Data Sheet

Moplen HP601N



Polypropylene, Homopolymer

Product Description

Moplen HP601N is a polypropylene homopolymer with excellent processability and stretchability, and high mechanical properties. Typical customer applications are glass mat sheets, and injection molding.

Application	Housewares
Market	Consumer Products; Industrial, Building & Construction; Rigid Packaging
Processing Method	Injection Molding; Sheet; Thermoforming
Attribute	Good Processability; Good Strength; Good Stretchability; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1700	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	30	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	104		ASTM D785
Thermal			
Deflection Temperature Under Load, (0.46 N/mm ²)	107	°C	ASTM D648