

Moplen HP6021

Polypropylene Homopolymer

HMC Polymers

Message:

Developmental Grade - High stiffness, high clarity polypropylene for sheet extrusion and thermoforming.

Features:

- Very high stiffness
- Good top load strength
- High clarity
- Excellent stiffness/impact balance
- Good dimensional stability
- Hot fillable

Applications:

- Sheet extrusion
- Thermoformed food containers
- Microwavable containers
- Bottles

General Information			
Features	Balanced Stiffness/Toughness		
	Flavor & Aroma Barrier		
	Good Dimensional Stability		
	Good Stiffness		
	High Clarity		
	Homopolymer		
	Ultra High Stiffness		
Uses	Bottles		
	Food Containers		
	Thermoformed Containers		
Processing Method	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	39.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	119	°C	ASTM D648

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