

Moplen HP640U

Polypropylene Copolymer

HMC Polymers

Message:

High Flow Polypropylene for Thin Wall Injection Molding

Features:

Ease of processing allows increased design freedom

Excellent dimensional stability

Process with low built-in stress

High flow transparency, gloss, and color shade

Applications:

High speed injection moulding

Food containers

Drinking cups

Thin wall cylinders

Thin, complex parts

General Information			
Features	Good Clarity		
	Good Gloss		
	High Dimensional Stability		
	Impact resistance, good		
	Workability, good		
	Good coloring		
	High liquidity		
Uses	Thin wall parts		
	Cup		
	Food container		
Processing Method	Injection molding		
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)	75	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1750	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	26	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	117	°C	ASTM D648

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