

Moplen HP640R

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP640R is a polypropylene homopolymer manufactured using the Spheripol process. It is particularly suitable for thin wall injection molding, with potential end use applications in housewares, rigid food packaging and closures.

General Information			
Features	Rigidity, high		
	Highlight		
	Homopolymer		
	Workability, good		
	Fast molding cycle		
	Good liquidity		
Uses	Shield		
	Household goods		
	Container		
	Food packaging		
	Shell		
Forms	Particle		
Processing Method	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)	24	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.3	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	122	°C	ASTM D648

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