

Moplen HP480S

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP480S is a polypropylene homopolymer manufactured using the Spheripol process. Typical applications include CD and DVD Casings, houseware, containers, and other thin wall injection moulded articles.

General Information			
Features	Rigid, good		
	Homopolymer		
	Impact resistance, good		
	Workability, good		
Uses	Thin wall parts		
	Household goods		
	Media packaging		
	Container		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648

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