

# Moplen HP748H

Polypropylene Homopolymer

HMC Polymers

Message:

High stiffness homopolymer with superior clarity for thermoforming applications

Features:

- Superior optical properties
- Excellent stiffness/impact balance
- Good processability
- Hot fillable and microwaveable
- Low odor and taste transfer

Applications:

- Thermoform packaging
- Microwavable food containers
- Extrusion Sheet
- EBM bottles

General Information			
Features	Balanced Stiffness/Toughness		
	Good Processability		
	High Clarity		
	High Stiffness		
	Homopolymer		
	Low Odor Transfer		
	Low Taste Transfer		
Uses	Bottles		
	Food Containers		
	Packaging		
	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	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)	38.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1800	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	47	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45  
MPa, Unannealed)

115

°C

ASTM D648

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#### Recommended distributors for this material

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