

# Moplen HP649T

Polypropylene Homopolymer

LyondellBasell Industries

Message:

High flow polypropylene homopolymer resin for TWIM

Features:

Ease of processing allows increased design freedom

Excellent dimensional stability

Processes with low built-in stress

High flow with good impact strength

Improved transparency and gloss

Applications:

High speed injection moulding

Food containers

Drinking cups

Thin wall cylinders

Thin, complex parts

General Information			
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	Good Processing Stability		
	High Flow		
	Homopolymer		
Uses	Cups		
	Food Containers		
	Thin-walled Parts		
Processing Method	Injection Molding		
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)	60	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	1700	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	28	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	120	°C	ASTM D648

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