

Moplen HP544T

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Polypropylene Homopolymer Resin for Thin Wall Injection

Features:

Ease of processing allows increased designed freedom

Good surface finish and color

Excellent dimensional stability

Processes with low built-in stress

Low odor

Applications:

Food containers

Drinking cups

Thin wall cylinders

Thin, complex parts

High speed injection moulding

General Information			
Features	Good dimensional stability		
	Homopolymer		
	Workability, good		
	The smell is low to none		
	Excellent appearance		
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)	6.0	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)	26	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	119	°C	ASTM D648

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