

Moplen HP553R

Polypropylene Homopolymer

LyondellBasell Industries

Message:

High Flow Polypropylene Homopolymer Resin

Features:

Good gas fading resistance

Low taste and odor transfer

Good chemical resistance

Good processability

Applications:

Staple & Multifilament fiber

General purpose injection molding

General Information			
Features	Lower odor transfer		
	Lower taste transfer		
	Homopolymer		
	Resistance to gas fading		
	Workability, good		
	High liquidity		
	Good chemical resistance		
Uses	staple fiber		
	General		
	Filament		
Processing Method	Fiber (spinning) extrusion		
	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)	22	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	20	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	98.0	°C	ASTM D648

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