

# Moplen HP648N

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP648N is a polypropylene homopolymer. It is nucleated for faster crystallization and also features antistatic properties.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	Homopolymer		
	Low Taste Transfer		
	Nucleated		
Uses	Caps		
	Closures		
	Containers		
	Sporting Goods		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	38.0	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	1870	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	122	°C	ASTM D648

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