

Moplen HP648N

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Antistatic and Nucleated Polypropylene Homopolymer Resin

Features:

Short cycle time for high productivity

Resist dust pick-up

Enhance stiffness

Low odor and taste transfer

Excellent resistance to environmental stress-cracking

Applications:

Lightweight containers

Housewares

Closures

Hospital and institutional wares

Toys

General Information			
UL YellowCard	E205299-228169		
Additive	Nucleating agent		
	Antistatic property		
Features	Nucleated		
	Rigid, good		
	High ESCR (Stress Cracking Resistance)		
	Lower odor transfer		
	Lower taste transfer		
	Homopolymer		
	Antistatic property		
	Fast molding cycle		
Uses	Household goods		
	Container		
	Shell		
	Toys		
	Medical equipment		
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)	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 D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	122	°C	ASTM D648

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