

Moplen HP522H

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP522H is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen HP522H is a homopolymer particularly suitable for Metallizable BOPP film. Moplen HP522H resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Rigidity, high		
	High strength		
	Optical		
	Homopolymer		
	Workability, good		
	Good stretchability		
	Compliance of Food Exposure		
	General		
	Barrier resin		
Uses	Bi-axially Oriented Film		
	General		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	36.3	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	110	°C	ASTM D648

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