

Moplen HP2409

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP2409 is a nucleated high crystallinity homopolymer for extrusion, thermoforming and film applications. Moplen HP2409 features very high stiffness, high transparency, high gloss and good dimensional stability even at elevated temperatures. The main applications of Moplen HP2409 are films and sheets, transparent food containers, containers for high temperature filling and articles where high gloss and high stiffness are required. Moplen HP2409 is a developmental grade

General Information			
Additive	Nucleating Agent		
Features	Good Dimensional Stability		
	High Clarity		
	High Gloss		
	High Stiffness		
	Highly Crystalline		
	Homopolymer		
	Nucleated		
Uses	Containers		
	Film		
	Food Containers		
	Sheet		
Processing Method	Extrusion		
	Film Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.50	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	40.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	20	%	
Flexural Modulus	1950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.5	kJ/m ²	ISO 180
Optical	Nominal Value	Unit	Test Method

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