



Moplen HP2409

Polypropylene, High Crystallinity

Product Description

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

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Extrusion Thermoforming

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm ³
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	2.5	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	40	MPa
Tensile Strain at Break	ISO 527-1, -2	20	%
Tensile Strain at Yield	ISO 527-1, -2	7	%
Flexural modulus	ISO 178	1950	MPa
Impact			
Notched impact strength acN 23>C	ISO 179	5.5	kJ/m ²
Optical			
Haze (1 mm)	ASTM D 1003	16	%

Notes

Typical properties; not to be construed as specifications.