

Technical Data Sheet

Moplen HP740J



High Crystallinity Polypropylene

Product Description

Moplen HP740J is a nucleated high crystallinity homopolymer for extrusion, thermoforming and film applications. *Moplen* HP740J features very high stiffness, high transparency, high gloss and good dimensional stability even at elevated temperatures.

The main applications of *Moplen* HP740J are films and sheets, transparent food containers, containers for high temperature filling and articles where high gloss and high stiffness are required.

Regulatory Status

For regulatory compliance information, see *Moplen* HP740J [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

This grade is not intended for medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Clear Containers; Thermoformed Food Containers
Market	Flexible Packaging; Rigid Packaging
Processing Method	Sheet and Profile Extrusion; Thermoforming
Attribute	High Stiffness; High Transparency; Homopolymer; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.0	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus, (23 °C)	1850	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	40	MPa	ISO 527-1, -2
Tensile Strain at Break	20	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched	7	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(A50)	153	°C	ISO 306
(B50)	95	°C	ISO 306
Optical			
Haze, (1 mm)	16	%	ASTM D1003

Notes

These are typical property values not to be construed as specification limits.