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.

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/cm³	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/m²	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.