

Technical Data Sheet

Moplen HP749J



Polypropylene, Homopolymer

Product Description

Moplen HP749J is an homopolymer especially developed for foam applications.

Moplen HP749J exhibits high stiffness, good dimensional stability, medium deforming resistance. The main applications of *Moplen* HP749J are extruded foamed sheets.

This grade is not intended for medical and pharmaceutical applications.

Application	Panels & Profiles
Market	Consumer Products; Rigid Packaging
Processing Method	Extruded Foam; Sheet and Profile Extrusion; Thermoforming
Attribute	BMMF free; High Stiffness; 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)	1900	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	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	7	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(A50)	153	°C	ISO 306
(B50)	99	°C	ISO 306