

# Moplen H270F

Polypropylene Homopolymer

PolyMirae

## Message:

Moplen H270F is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific.

Important attributes of Moplen H270F are:

Food Contact Acceptable

Good Aesthetics

Good Processability

High Stiffness

High Strength

Typical applications include:

Film

Food Contact Applications

General Information			
Features	Barrier Resin Food Contact Acceptable General Purpose Good Processability Good Stretchability High Stiffness High Strength Homopolymer Opticals		
Uses	Bi-axially Oriented Film General Purpose		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.3	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, Injection Molded)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	105	°C	ASTM D648
Vicat Softening Temperature	146	°C	ASTM D1525

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### Recommended distributors for this material

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