

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 ³	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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