

Moplen HF524J

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HF524J is a polypropylene homopolymer (PP Homopoly) material. This product is available in the Asia-Pacific region.

The main features of Moplen HF524J are:

High stiffness

high strength

Good processability

Homopolymer

accessible food

Typical application areas include:

glue/gummed paper

Movie

food contact applications

application of coating

General Information			
Features	Rigidity, high		
	High strength		
	Optical		
	Homopolymer		
	Workability, good		
	Compliance of Food Exposure		
	General		
	Barrier resin		
Uses	Bi-axially Oriented Film		
	Laminate		
	Strap		
	General		
	Adhesive		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.1	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		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)	1570	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	153	°C	ASTM D1525

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