

Moplen HP420J

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP420J is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific.

Important attributes of Moplen HP420J are:

- Food Contact Acceptable
- Good Aesthetics
- Good Processability
- Homopolymer
- Typical applications include:
 - Adhesives/Tapes
 - Coating Applications
 - Film
 - Food Contact Applications

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	Good Processability		
	Good Stretchability		
	Homopolymer		
	Opticals		
Uses	Adhesives		
	Bi-axially Oriented Film		
	General Purpose		
	Laminates		
	Tape		
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)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	32.4	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	1420	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)	102	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

