

Moplen HF550K

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HF550K is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific.

Important attributes of Moplen HF550K are:

Food Contact Acceptable

Good Processability

Homopolymer

Typical applications include:

Fabrics/Fibers

Film

Food Contact Applications

Nonwovens

Straps/Ropes

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stretchability		
	Homopolymer		
Uses	BCF Yarn		
	Carpet Backing		
	Film		
	Monofilaments		
	Rope		
	Textile Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	White		
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)	4.5	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)	36.3	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)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	104	°C	ASTM D648

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