

Moplen HP450J

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP450J is a polypropylene homopolymer manufactured using the Spheripol process. Potential end use applications include yarn, tape, sheet and monofilament.

General Information	
Features	Homopolymer
	Workability, good
	Good stretchability
	Good strength
Uses	Films
	Strap
	monofilament
	Belt material
	Sheet
	Stationery
	Filament
	Line
Forms	Particle
Processing Method	Blow film
	Pipeline extrusion molding
	Extrusion
	Sheet extrusion molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.3	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed)

104

°C

ASTM D648

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Recommended distributors for this material

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