

Moplen HP653P

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP653P is a polypropylene homopolymer manufactured using the Spheripol process. With its excellent spinnability and drawability, it is particularly suitable for heavy denier BCF and CF multi-filament. Potential end use applications include carpet, automobile interiors and industrial products. This grade also exhibits better interlacing properties. Moplen HP652P can be evaluated for applications that require Anti-Gas Fading.

General Information			
Features	Homopolymer		
	Resistance to gas fading		
	Good coloring		
	Soft		
	Compliance of Food Exposure		
Uses	BCF filament		
	Industrial application		
	Car interior parts		
	Car interior equipment		
	Filament		
	Line		
Forms	Particle		
Processing Method	Filament extrusion		
	Fiber (spinning) extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.3	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	106	°C	ASTM D648

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