

Moplen HP653P

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP653P is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process.
Moplen HP653P is a homopolymer typically used in heavy denier BCF and CF multi-filament.
Moplen HP653P resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Food Contact Acceptable		
	High Flow		
	High Gloss		
	High Stiffness		
	Homopolymer		
	Nucleated		
Uses	Cups		
	Disposable Drinkware		
	Packaging		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
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)	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, Injection Molded)	37.3	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus (Injection Molded)	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	106	°C	ASTM D648

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