

Moplen HP553P

Polypropylene Homopolymer

PolyMirae

Message:

Moplen HP553P is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process.
Moplen HP553P is a homopolymer typically used by customers in high speed production of staple fiber.
Moplen HP553P resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Controlled Rheology		
	Food Contact Acceptable		
	Gas-fading Resistant		
	Homopolymer		
Uses	Agricultural Applications		
	Bags		
	Protective Coverings		
	Sanitary Products		
	Spunbond Nonwovens		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
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)	14	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		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)	1470	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)	105	°C	ASTM D648

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