

Moplen HP552R

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP552R is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process.
Moplen HP552R is a homopolymer typically used by customers in high speed production of staple fiber.
Moplen HP552R resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Homopolymer		
	Resistance to gas fading		
	Compliance of Food Exposure		
Uses	BCF line		
	staple fiber		
	Industrial application		
	Car interior parts		
	Bathroom products		
	Filament		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	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)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	1470	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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