

Braskem PP PH 1721

Polypropylene Homopolymer

Braskem

Message:

PH 1721 is a low melt flow rate polypropylene with anti-gasfading stabilization package and suitable to continuous filament and staple fiber process, due to its molecular weight distribution. It has a very good balance of toughness and elongation. This resin could be also used for injection moulding process.

General Information			
Additive	Anti-gas fading		
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Good Toughness		
	Homopolymer		
	Low Flow		
Uses	Appliance Components		
	Carpet Backing		
	Filaments		
	Household Goods		
	Nonwovens		
	Staple Fibers		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
	Filament Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	103		ASTM D785
R-Scale	103		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	35.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	8.0	%	ASTM D638, ISO 527-2

Flexural Modulus			
1% Secant : Injection Molded	1500	MPa	ASTM D790
Injection Molded	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	20	J/m	ASTM D256
23°C, Injection Molded	2.9	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	103	°C	ASTM D648
0.45 MPa, Unannealed	103	°C	ISO 75-2/B
Vicat Softening Temperature	153	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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