

Braskem PP H521

Polypropylene Homopolymer

Braskem America Inc.

Message:

- Sub-group
- Homopolymer
- Description
- Injection Molding, General Purpose, Low Water Carryover
- Applications
- Suggested Uses Include Tape, Slit-film Fibers, Containers, Closures, Housewares

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	Homopolymer		
	Low Water Carryover		
Uses	Closures		
	Containers		
	Household Goods		
	Slit-Film Fiber		
	Tape		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.6	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	37.2	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1650	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	37	J/m	ASTM D256A
Additional Information	Nominal Value	Unit	Test Method
Elongation of Fibers ⁴	36	%	ASTM D2256

Tenacity of Fibers ⁵	4.50	g/denier	ASTM D2256
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	1.3 mm/min		
4.	3.3 draw ratio, 1,250 m/min roll speed, 225Å°C spin temperature, D1000/68		
5.	3.3 draw ratio, 1,250 m/min roll speed, 225Å°C spin temperature, D1000/68		

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