

Braskem PP PH 3515

Polypropylene Homopolymer

Braskem

Message:

PH 3515 is a high melt flow rate homopolymer, designed for injection moulding. It is suitable to thin-walled injection moulding parts.

Applications:

Toys; Caps and lids in general; Household appliances; Thin-walled parts and easy mould filling.

General Information			
Features	Fast Molding Cycle		
	High Flow		
	Homopolymer		
Uses	Household Goods		
	Lids		
	Thin-walled Parts		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	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)	44	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	106		ASTM D785
R-Scale	106		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	38.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	8.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1700	MPa	ASTM D790
Injection Molded	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	30	J/m	ASTM D256
23°C, Injection Molded	2.8	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	119	°C	ASTM D648
0.45 MPa, Unannealed	119	°C	ISO 75-2/B
Vicat Softening Temperature	152	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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