

Braskem PP HP 648S

Polypropylene Homopolymer

Braskem

Message:

HP 648S is an extra high fluidity homopolymer, with controlled rheology and nucleating agent.

Applications:

Injection Molding of thin parts like cups, closures, appliances, housewares.

Processing:

Injection Molding

General Information			
UL YellowCard	E120161-101725764		
Additive	Nucleating Agent		
Features	High Flow		
	Homopolymer		
	Nucleated		
Uses	Appliances		
	Closures		
	Cups		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
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)	40	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	37.0	MPa	ASTM D638
Yield, Injection Molded	34.0	MPa	ISO 527-2
Tensile Elongation (Yield, Injection Molded)	9.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1400	MPa	ASTM D790
Injection Molded	1550	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	2.2	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	110	°C	ASTM D648
0.45 MPa, Unannealed	102	°C	ISO 75-2/B

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