

Braskem PP H 603

Polypropylene Homopolymer

Braskem

Message:

Description:
H 603 is a low melt flow rate homopolymer with general purpose additive package. This resin is designed for blow moulding and extrusion. H 603 exhibits an excellent processability, excellent stiffness/impact strength balance, high melt strength and low odor/taste transfer

Applications:
Bottles for mineral water, vinegar and food; Flat and corrugated sheets in general

General Information			
UL YellowCard	E120161-220431		
Features	Good Processability		
	Good Stiffness		
	High Impact Resistance		
	High Melt Stability		
	Homopolymer		
	Low Odor Transfer		
	Non-Toxic		
Uses	Bottles		
	Corrugated Sheet		
	Heavy-duty Bags		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
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)	1.5	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	98		ASTM D785
R-Scale	98		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	33.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	14	%	ASTM D638, ISO 527-2
Flexural Modulus			

1% Secant : Injection Molded	1350	MPa	ASTM D790
Injection Molded	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	45	J/m	ASTM D256
23°C, Injection Molded	3.8	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	89.0	°C	ASTM D648
0.45 MPa, Unannealed	89.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	53.0	°C	ASTM D648
1.8 MPa, Unannealed	53.0	°C	ISO 75-2/A
Vicat Softening Temperature	154	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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