Braskem

Datasheet
Review 4 (May / 18)

Polypropylene HP 500D

Description:
Homopolymer

HP 500D is a low melt flow homopolymer, with high stiffness and impact strength.

Applications:
Food packaging, Bottles, Bottles, Pipes, Profiles, Sheets, Cosmetics, High stiffness articles, Strapping

Processes:
General extrusion., Extrusion Blow Molding

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	0.7

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.905
Flexural Modulus - 1% Secant	D 790	MPa	1300
Tensile Strength at Yield	D 638	MPa	33
Tensile Elongation at Yield	D 638	%	6
Rockwell Hardness (R Scale)	D 785	-	92
Notched Izod Impact Strength at 23°C	D 256	J/m	50
Deflection Temperature under Load at 0.455 MPa	D 648	°C	90

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final Remarks
1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS.
5. For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.