Braskem

Datasheet
Review 7 (Jan/22)

Polypropylene H 502HC

Description:

Homopolymer

H 502HC is a medium fluidity homopolymer designed for applications that require high stiffness/tenacity with good processability.

Applications:

High stiffness parts for furniture , Home appliances, Thermoformed and Disposable Packaging, Hot fill packaging , Carpet backing

Processes:

Injection molding, Thermoforming, Raffia Extrusion

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	4

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.905
Flexural Modulus - 1% Secant	D 790	MPa	1950
Tensile Strength at Yield	D 638	MPa	38
Tensile Elongation at Yield	D 638	%	7
Rockwell Hardness (R Scale)	D 785	-	108
Notched Izod Impact Strength at 23°C	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa	D 648	°C	130
Deflection Temperature under Load at 1.820 MPa	D 648	°C	68
Vicat Softening Temperature at 10 N	D 1525	°C	160

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.