Braskem

Datasheet
Review 4 (Dec / 17)

Polypropylene H 503HS

Description:

Homopolymer

H 503HS is a low melt flow rate homopolymer for general purpose. Designed for raffia extrusion. This product exhibits an excellent processability, high speed production with good melt stability, good stiffness/impact strength balance and low odor and flavor transfer.

Applications:

Ropes, Fishing net, Lashing cables, Brush bristles, Broom bristles

Processes:

Fiber Extrusion, Raffia Extrusion

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	4.0

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.905
Flexural Modulus - 1% Secant	D 790	MPa	1350
Tensile Strength at Yield	D 638	MPa	35
Tensile Elongation at Yield	D 638	%	9
Rockwell Hardness (R Scale)	D 785	-	103
Notched Izod Impact Strength at 23°C	D 256	J/m	35
Deflection Temperature under Load at 0.455 MPa	D 648	°C	98
Deflection Temperature under Load at 1.820 MPa	D 648	°C	55
Vicat Softening Temperature at 10 N	D 1525	°C	155

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.