Braskem

Datasheet
Review 18 (Dec / 17)

Polypropylene H 503

Description:

Homopolymer

H 503 is a low melt flow rate additivated homopolymer used for general purposes. It is designed for injection molding, raffia extrusion, bioriented film and general extrusion. This product exhibits excellent processability, good melt stability, good stiffness/impact strength balance and low odor and flavor transfer.

Applications:

Home appliances, Flip-Top caps, Fishing net, Lashing cables, Brush bristles, Broom bristles, Compounds

Processes:

Fiber Extrusion, Raffia Extrusion, Injection molding

Control Properties

Feature	Method	Units	Values
Nominal Melt Flow (230°C/2.16kg)	D 1238	g/10 min	3.5

Typical Properties[a]

Feature	Method	Units	Values
Density	D 792	g/cm³	0.905
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D 790	MPa	1300
Tensile Strength at Yield (2 in/min, 50 mm/min)	D 638	MPa	35
Elongation at Yield (2 in/min, 50 mm/min)	D 638	%	11
Rockwell Hardness (R Scale)	D 785	-	97
Notched Izod Impact Strength (at 23°C)	D 256	J/m	30
Heat Deflection Temperature (0.45 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. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
3. Any application information about the Product does not mean that Braskem knows or has validated the productive process of the Client/Purchaser or the adequacy of the Product for the intended application. All warranties of merchantability or fitness for a particular purpose, express or implied, are expressly excluded.
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