Datasheet
01/09/2026

Polypropylene PG480

Description:
Homopolymer

PG480 is a polypropylene resin additivated for general purposes and suitable for raffia. This product exhibits an excellent processability and high-speed production with good melt stability.

Applications:
Big Bags, Brush bristles, Broom bristles, Curtains and covers for aviary and agriculture, staple fiber needle punched carpets, Carpet backing, Raffia, Industrial Sacks

Processes:
Fiber Extrusion, Raffia Extrusion

Control Properties

Feature	Method	Units	Values
Nominal Melt Flow (230°C/2.16kg)	D 1238	g/10 min	4.8

Typical Properties[a]

Feature	Method	Units	Values
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D 790	MPa	1400
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	%	10
Rockwell Hardness (R Scale)	D 785	-	100
Notched Izod Impact Strength (at 23°C)	D 256	J/m	35
Heat Deflection Temperature (0.45 Mpa)	D 648	°C	100
Deflection Temperature under Load at 1.820 MPa	D 648	°C	57
Vicat Softening Temperature (at 10 N)	D 1525	°C	156

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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