Braskem

Datasheet
Review 4 (26/27/03)

Polypropylene CP 401HC

Description:
Heterophasic Copolymer

CP 401HC is a medium melt flow rate heterophasic copolymer, specially designed to achieve high stiffness/impact strength balance. This product offers good surface appearance and processability.

Applications:
Plastic furniture, Home appliances, Garden furniture, Compounds

Processes:
Injection molding

Control Properties

Feature	Method	Units	Values
Nominal Melt Flow (230°C/2.16kg)	D 1238	g/10 min	6.0

Typical Properties[a]

Feature	Method	Units	Values
Density	D 792	g/cm³	0.900
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D 790	MPa	1600
Tensile Strength at Yield (2 in/min, 50 mm/min)	D 638	MPa	33
Elongation at Yield (2 in/min, 50 mm/min)	D 638	%	6
Rockwell Hardness (R Scale)	D 785	-	99
Notched Izod Impact Strength (at 23°C)	D 256	J/m	70
Notched Izod Impact Strength (at -20°C)	D 256	J/m	30
Heat Deflection Temperature (0.45 Mpa)	D 648	°C	125
Deflection Temperature under Load at 1.820 MPa	D 648	°C	64
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.
4. The information provided herein is of the date hereof and Braskem may update, revise or amend the information contained herein at any time and without previous notice. The Client/Purchaser shall consult www.braskem.com to verify any updates to this information.
5. For regulatory information associated with the Product and its source, please consult the Regulatory Information Sheet (RIS). For other requests, please contact Braskem's Technical Services area.
6. The information contained herein is provided based on the best of Braskem's knowledge, indicating typical values of the properties of the Product, and such values shall not be considered absolute or as a guarantee.