Braskem

Datasheet
Review 3 (Feb / 18)

Polypropylene CP 180R

Description:
Heterophasic Copolymer

CP 180R is heterophasic copolymer developed for the injection molding with excellent balance of processability, stiffness and impact resistance.

Applications:
Compounds, Thin walls parts with great balance between stiffness and impact strength

Processes:
Injection molding

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	80

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.900
Flexural Modulus - 1% Secant	D 790	MPa	1500
Tensile Strength at Yield	D 638	MPa	30
Tensile Strength at Rupture	D 638	MPa	30
Rockwell Hardness (R Scale)	D 785	-	90
Notched Izod Impact Strength at 23°C	D 256	J/m	45
Notched Izod Impact Strength at -20°C	D 256	J/m	35
Deflection Temperature under Load at 0.455 MPa	D 648	°C	125
Vicat Softening Temperature at 10 N	D 1525	°C	150

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final observations
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.