Braskem

**Datasheet**
Review 4 (May / 18)

# Polypropylene CP 100

## Description:

Heterophasic Copolymer.

CP 100 is a heterophasic copolymer of propylene and ethylene. This grade has high melt flow rate and very high stiffness. It was developed for parts with complex design and it allows fast cycles injection of thin-walled parts and excellent organoleptic properties.

## Applications:

Thin wall parts, Large technical parts, Compounds

## Processes:

Injection molding

## Control Properties

| Feature | Method | Units | Values |
|---|---|---|---|
| Melt Flow Rate (230°C/2.16 kg) | D 1238 | g/10 min | 100 |

## Typical Properties

| Feature | Method | Units | Values |
|---|---|---|---|
| Density | D 792 | g/cm³ | 0.900 |
| Flexural Modulus - 1% Secant | D 790 | MPa | 1350 |
| Tensile Strength at Yield | D 638 | MPa | 27 |
| Tensile Elongation at Yield | D 638 | % | 5 |
| Rockwell Hardness (R Scale) | D 785 | - | 92 |
| Notched Izod Impact Strength at 23°C | D 256 | J/m | 30 |
| Notched Izod Impact Strength at -20°C | D 256 | J/m | 20 |
| Deflection Temperature under Load at 0.455 MPa | D 648 | °C | 115 |
| Deflection Temperature under Load at 1.820 MPa | D 648 | °C | 64 |
| 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.