Braskem

Datasheet
Review 6 (May / 18)

# Polypropylene PH 0950

## Description:
Homopolymer

PH 0950 is a medium melt flow rate homopolymer with antiblocking agent. PH 0950 is specially designed for twisted films produced even by cast or blown film extrusion. It exhibits excellent optical properties and good processability.

## Applications:
Twist wrap

## Processes:
Cast Film Extrusion., Blown Film Extrusion

## Control Properties

| Feature | Method | Units | Values |
|---|---|---|---|
| Melt Flow Rate (230°C/2.16 kg) | D 1238 | g/10 min | 8.0 |

## Typical Properties

| Feature | Method | Units | Values |
|---|---|---|---|
| Density | D 792 | g/cm³ | 0.905 |
| Flexural Modulus - 1% Secant | D 790 | MPa | 1400 |
| Tensile Strength at Yield | D 638 | MPa | 36 |
| Tensile Elongation at Yield | D 638 | % | 9 |
| Rockwell Hardness (R Scale) | D 785 | - | 101 |
| Notched Izod Impact Strength at 23°C | D 256 | J/m | 25 |
| Deflection Temperature under Load at 0.455 MPa | D 648 | °C | 98 |
| Deflection Temperature under Load at 1.820 MPa | D 648 | °C | 58 |
| Vicat Softening Temperature at 10 N | D 1525 | °C | 153 |

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

## Film Properties

| Feature | Method | Units | Values |
|---|---|---|---|
| Secant Modulus 1% (MD/TD) | D 882 | MPa | 700/710 |
| Tensile Strength at Yield (MD/TD) | D 882 | MPa | 25/25 |
| Elongation at Yield (MD/TD) | D 882 | % | 10/9 |
| Haze | D 1003 | % | 1.9 |
| Gloss 45° | D 2457 | - | 99 |
| Sealing Initial Temperature | Braskem Method | ºC | 118 |

3) 30 µm thickness film, processed in a 50 mm screw diameter extruder with blow up ratio of 1,3:1 (MD=Machine Direction and TD=Transversal Direction)

## Final Remarks

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.