

**Datasheet**  
Review 3 (Dec / 17)**Polypropylene H 611****Description:**

Homopolymer

H 611 is a low melt flow rate homopolymer, specially designed for exposure of solar light applications. This product exhibits good processability and high melt resistance.

**Applications:**

Big Bags, Building shade fabrics, Curtains and covers to aviary and agriculture, Geotextiles

**Processes:**

Raffia Extrusion

**Control Properties**

| Feature                        | Method | Units    | Values |
|--------------------------------|--------|----------|--------|
| Melt Flow Rate (230°C/2.16 kg) | D 1238 | g/10 min | 2.1    |

**Typical Properties<sup>a</sup>**

| Feature                                        | Method | Units             | Values |
|------------------------------------------------|--------|-------------------|--------|
| Density                                        | D 792  | g/cm <sup>3</sup> | 0.905  |
| Flexural Modulus - 1% Secant                   | D 790  | MPa               | 1350   |
| Tensile Strength at Yield                      | D 638  | MPa               | 34     |
| Tensile Elongation at Yield                    | D 638  | %                 | 10     |
| Rockwell Hardness (R Scale)                    | D 785  | -                 | 99     |
| Notched Izod Impact Strength at 23°C           | D 256  | J/m               | 40     |
| Deflection Temperature under Load at 0.455 MPa | D 648  | °C                | 92     |
| Deflection Temperature under Load at 1.820 MPa | D 648  | °C                | 53     |
| Vicat Softening Temperature at 10 N            | D 1525 | °C                | 155    |

a) Injection molded specimen according to ASTM D 4101.

**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. CAS: 9003-07-0.
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.