

## Polypropylene HP 550R

**Sub-group:**

Homopolymer

**Description:**

HP 550R is a high fluidity homopolymer.

**Applications:**

Injection Molding of appliances bodies, lids, housewares. Extrusion of Fibers for rugs, carpets.

**Processing:**

Injection Molding Fiber Extrusion

**Control Property:**

|                                | ASTM Method | Units    | Values |
|--------------------------------|-------------|----------|--------|
| Melt Flow Rate (230°C/2.16 kg) | D 1238      | g/10 min | 24     |

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

|                                                | ASTM Method | Units             | Values |
|------------------------------------------------|-------------|-------------------|--------|
| Density                                        | D 792       | g/cm <sup>3</sup> | 0.905  |
| Flexural Modulus – 1% secant                   | D 790       | MPa               | 1300   |
| Tensile Strength at Yield                      | D 638       | MPa               | 35     |
| 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               | 20     |
| Deflection Temperature under Load at 0.455 MPa | D 648       | °C                | 100    |

a) Injection molded specimen according to ASTM D 4101

