

## Polypropylene H 201

**Sub-group:**

Homopolymer

**Description:**

H 201 is a high melt flow rate additivated homopolymer suitable for injection molding and fiber extrusion applications. This product exhibits excellent processability with good melt stability and stiffness/impact strength balance. It also features low taste/odor transfer.

**Applications:**

Injection of electric portables and household appliances; Injected chest of drawers and closets; Continuous filaments for carpets, sewing threads and ropes; Staple fibers for rugs and blankets; Nonwovens produced by thermobonded process.

**Processing:**

Injection Moulding

Fiber Extrusion

**Control Property:**

|                                | ASTM Method | Units    | Values |
|--------------------------------|-------------|----------|--------|
| Melt Flow Rate (230°C/2.16 kg) | D 1238      | g/10 min | 20     |

**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               | 1400   |
| Tensile Strength at Yield                      | D 638       | MPa               | 35     |
| Tensile Elongation at Yield                    | D 638       | %                 | 10     |
| Rockwell Hardness (R Scale)                    | D 785       | -                 | 100    |
| Notched Izod Impact Strength at 23°C           | D 256       | J/m               | 20     |
| Deflection Temperature under Load at 0.455 MPa | D 648       | °C                | 110    |
| Deflection Temperature under Load at 1.820 MPa | D 648       | °C                | 57     |
| Vicat Softening Temperature at 10 N            | D 1525      | °C                | 154    |

a) Injection molded specimen according to ASTM D 4101.

