

## 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:**

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	20

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

	ISO Method	Units	Values
Density	1183-1	g/cm <sup>3</sup>	0.905
Flexural Modulus – 1% secant	178	MPa	1500
Tensile Strength at Yield	527-1	MPa	35
Tensile Elongation at Yield	527-1	%	10
Rockwell Hardness (R Scale)	2039-2	-	102
Notched Izod Impact Strength at 23°C	180	kJ/m <sup>2</sup>	3.1
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	107
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	57
Vicat Softening Temperature at 10 N	306	°C	154

a) Injection molded specimen according to ISO 294.

