

## Polypropylene H 125

**Sub-group:**

Homopolymer

**Description:**

H 125 is a high melt flow rate homopolymer designed for spunbond nonwoven production. This resin features an excellent processability, allowing increased line speed or air pressure, as well as gains of mechanical properties. The narrow molecular weight distribution, special stability and tight gel control, provide its unique performance.

**Applications:**

High-performance spunbond nonwovens for hygiene disposables and hospital products; Nonwovens for furniture and decoration; Low-titile and/or high-speed spinning multifilaments.

**Processing:**

Fiber Extrusion

**Control Property:**

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	38

**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	-	103
Notched Izod Impact Strength at 23°C	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa	D 648	°C	95
Deflection Temperature under Load at 1.820 MPa	D 648	°C	55
Vicat Softening Temperature at 10 N	D 1525	°C	154

a) Injection molded specimen according to ASTM D 4101.

