

## Polypropylene H 216

**Sub-group:**

Homopolymer

**Description:**

H 216 is a high melt flow rate homopolymer with narrow molecular weight distribution, designed for high toughness fibers process. H 216 exhibits excellent processability with good melt stability and toughness/impact balance.

**Applications:**

Staple fibers and continuous filaments with high toughness and low denier; Fibers for reinforcement of asbestos-free concrete and roof tiles.

**Processing:**

Fiber Extrusion

**Control Property:**

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	18

**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	36
Tensile Elongation at Yield	D 638	%	9
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	103
Deflection Temperature under Load at 1.820 MPa	D 648	°C	59
Vicat Softening Temperature at 10 N	D 1525	°C	151

a) Injection molded specimen according to ASTM D 4101.

