

Polypropylene H 301

Sub-group:

Homopolymer

Description:

H 301 is a high melt flow rate homopolymer designed for injection moulding and fiber extrusion. This product exhibits excellent processability with good melt strength and stiffness/impact strength balance. It also features low odor/taste transfer.

Applications:

Household; Sealed or flip-top closures; Monofilaments for ropes, fishing nets; Continuous filaments for sewing threads, furniture, mattresses.

Processing:

Injection Molding

Fiber Extrusion

Control Property:

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

Typical Properties^{a)}:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1350
Tensile Strength at Yield	D 638	MPa	34
Tensile Elongation at Yield	D 638	%	11
Rockwell Hardness (R Scale)	D 785	-	98
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	53
Vicat Softening Temperature at 10 N	D 1525	°C	153

a) Injection molded specimen according to ASTM D 4101.

