

Polypropylene H 306

Sub-group:

Homopolymer

Description:

H 306 is a medium melt flow rate additivated homopolymer used for general purposes. It suitable for injection moulding and fiber extrusion. This product exhibits excellent processability, good melt stability and stiffness/impact strength balance. It also exhibits low odor and flavor transfer.

Applications:

Household; Sealed or flip-top closures; Staple fibers for rugs and blankets; Medium-toughness continuous filaments for yarns.

Processing:

Injection Moulding

Fiber Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10	15

Typical Properties^{a)}:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1300
Tensile Strength at Yield	D 638	MPa	33
Tensile Elongation at Yield	D 638	%	13
Rockwell Hardness (R Scale)	D 785	-	99
Notched Izod Impact Strength at 23°C	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa	D 648	°C	94
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.

