

Polypropylene HP 500D

Sub-group:

Homopolymer

Description:

HP 500D is a low melt flow homopolymer, with high stiffness and impact strength.

Applications:

Extrusion of pipes, profiles, straps, sheets. Blow molding of industrial and automotive parts, bottles, reservoirs, foods and cosmetic packages.

Processing:

Extrusion Blow Molding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	0.8

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	%	6
Rockwell Hardness (R Scale)	D 785	-	-
Notched Izod Impact Strength at 23°C	D 256	J/m	50
Deflection Temperature under Load at 0.455 MPa	D 648	°C	90

a) Injection molded specimen according to ASTM D 4101.

