

Polypropylene HP 502N

Sub-group:

Homopolymer

Description:

HP 502N is a low fluidity homopolymer.

Applications:

Injection Molding of furnitures, caps, closures, housewares.

Processing:

Injection Molding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	11

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1150
Tensile Strength at Yield	D 638	MPa	35
Tensile Elongation at Yield	D 638	%	10
Hardness Shore D	D 2240	-	73
Notched Izod Impact Strength at 23°C	D 256	J/m	24
Deflection Temperature under Load at 0.455 MPa	D 648	°C	96
Vicat Softening Temperature at 10 N	D 1525	°C	151

a) Injection molded specimen according to ASTM D 4101.

