

Polypropylene H 502HC

Sub-group:

Homopolymer

Description:

H 502HC is a low melt flow rate homopolymer, designed for very high stiffness/toughness applications with good processability. This product exhibits excellent chemical resistance and barrier properties.

Applications:

High stiffness parts; Household appliances; Disposable cups and plates; Hot fill packaging; Basis for carpets, basis for artificial grass field.

Processing:

Injection Moulding

Thermoforming

Raffia Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	3.3

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1950
Tensile Strength at Yield	D 638	MPa	38
Tensile Elongation at Yield	D 638	%	7
Rockwell Hardness (R Scale)	D 785	-	108
Notched Izod Impact Strength at 23°C	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa	D 648	°C	130
Deflection Temperature under Load at 1.820 MPa	D 648	°C	68
Vicat Softening Temperature at 10 N	D 1525	°C	160

a) Injection molded specimen according to ASTM D 4101.

