

Polypropylene H 501HC

Sub-group:

Homopolymer

Description:

H 501HC is a low melt flow rate homopolymer, designed for very high stiffness applications with good processability. This product exhibit excellent chemical resistance and barrier properties.

Applications:

High-stiffness thermoformed parts.

Processing:

Thermoforming

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	3.5

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1800
Tensile Strength at Yield	D 638	MPa	37
Tensile Elongation at Yield	D 638	%	8
Rockwell Hardness (R Scale)	D 785	-	107
Notched Izod Impact Strength at 23°C	D 256	J/m	30
Deflection Temperature under Load at 0.455 MPa	D 648	°C	105
Deflection Temperature under Load at 1.820 MPa	D 648	°C	62
Vicat Softening Temperature at 10 N	D 1525	°C	160

a) Injection molded specimen according to ASTM D 4101.

