

HP-200NA Polypropylene Homopolymer

HP-200NA is a Nucleated Polypropylene certified prime resin designed for injection molding of thin-walled light-weight articles. **HP-200NA** contains antistatic and combines a good balance of medium-high flow processability with high contact clarity, short cycling, high stiffness, good tensile strength and excellent ESCR. **HP-200NA** recommended processing temperature is between 220° to 240°C with mold at 20°-50°C. **HP-200NA** complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	20.0
Density	D1505	g/cm ³	0.905
Rockwall Hardness (R-Scale)	D785		96
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	270k
Tensile Strength @ Yield ²	D638	psi	5400
Notched Izod Impact	D256	ft-lb/in	0.60
Tensile Elongation @ Yield ²	D638	%	11
Deflection Temperature Under Load (66 psi Unannealed)	D648	°F	253
Vicat Softening Temperature	D1525	°F	309

Typical Value of Properties not to be construed as specifications

- 1 - @ 0.051 in/min
- 2 - @ 2 in/min.



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