

# IP-120NB

## Polypropylene Impact Copolymer

**IP-120NB** is a Medium-Impact INJECTION MOLDING certified prime resin designed for applications requiring good impact resistance at low temperatures. **IP-120NB** features very good processability and dimensional stability, excellent heat resistance, medium-high flow for fast mold filling and optimal balance of mechanical properties. Recommended processing temperature is between 210° - 220°C. **IP-120NB** complies with FDA regulation 21CFR 177.1520 (a)(3)(i) / (c)3.1 + 3.2, and with most international regulations concerning the use of Polypropylene in contact with food articles.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
<b>PHYSICAL</b>			
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	12
Density	D1505	g/cm <sup>3</sup>	0.902
Rockwall Hardness (R-Scale) Inj. Mold	D785		80
<b>MECHANICAL</b>			
Flexural Modulus <sup>1</sup> (1% Secant)	D790	psi	148k
Tensile Strength @ Yield <sup>2</sup>	D638	psi	3500
Notched Izod Impact (73°F)	D256	ft-lb/in	No Break
Tensile Elongation @ Yield <sup>2</sup>	D638	%	13
Deflection Temperature Under Load (66 psi Unannealed)	D648	°F	185

Typical Value of Properties not to be construed as specifications

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



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