

IP-005NB Polypropylene Impact Copolymer

IP-005NB is a Polypropylene certified prime NO BREAK resin developed for Extra High Izod Impact, containers produced by Thermoforming, Extrusion-Blow or Injection-Blow molding equipment exhibit good Low Temperature Drop Impact for applications requiring superior rigidity, toughness and good organoleptic properties. **IP-005NB** complies with FDA regulation 21CFR 177.1520 (a)(3)(i) (c)3.1+3.2, and most international regulations concerning Polypropylene use in contact with food .

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
PHYSICAL			
Melt Flow Rate (230°C, 2.16kg)	D1238	g/10 min	0.50
Density	D1505	g/cm ³	0.902
Rockwall Hardness (R-Scale) Inj. Mold	D785		78
MECHANICAL			
Flexural Modulus ¹ (1% Secant)	D790	psi	195k
Tensile Strength @ Yield ²	D638	psi	4300
Notched Izod Impact	D256	ft-lb/in	No Break
Tensile Elongation @ Yield ²	D638	%	10
Deflection Temperature Under Load (66 psi Unannealed)	D648	°F	190
Vicat Softening Temperature (Inj Mold)	D1525	°F	275

Typical Value of Properties not to be construed as specifications

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



Genesis Polymers

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