



MADE IN CANADA

We believe in better.

Heartland Polymers' portfolio of quality polypropylene is produced at North America's first single-site PDH/PP facility, located in Alberta, Canada with access to all major hubs and ports. Sustainability is built into our very design, and we are committed to providing customers with responsibly produced polymer. We are ready to provide a high quality, reliable source of polypropylene to help you and your customers meet your goals where you need it, when you need it. At Heartland Polymers, we believe in better: People. Polymer. Performance. Planet. Made in Canada, serving the world, we produce polypropylene that makes a difference for you and for your customers.

CONNECT WITH HEARTLAND POLYMERS

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 Heartland Polymers

Quality resins produced sustainably, delivered reliably

All of our polypropylene feature the following attributes:

- Excellent balance of processability and physical properties
- A tailored balance of stiffness to impact properties
- Exceptional heat and chemicals resistance
- Excellent price to performance ratio
- Lower density translating into weight savings
- Recyclable
- Phthalate free
- Free of any Animal Derived Materials (ADM)
- Meets the FDA requirements for direct and indirect food contact

Discover the Heartland difference

We offer four different grades of polypropylene for thermoforming and extrusion blow molding. With our extrusion polypropylene grades, you can expect:

- Excellent clarity
- Improved color retention
- High stiffness for down gauging and improved mechanical performance
- Higher MFR reactor grade capability with better taste and odor
- Decreased injection molding cycle time
- Broad MWD for increased melt strength
- Low Ethylene Randoms (LER) grades for excellent haze/stiffness balance
- Cleaner resins



FABRICATION FAMILY			EXTRUSION HOMOPOLYMERS		EXTRUSION RANDOM CO-POLYMERS	
GRADE NAME			H1002NA	H1003N	R1302N (Mini-random)	R1002
PRIMARY APPLICATION			Thermo-forming/ Extrusion blow molding	Thermo-forming/Extrusion blow molding	Thermo-forming/Extrusion blow molding	Thermo-forming/Extrusion blow molding
PROPERTIES	UNITS	TEST METHOD	NOMINAL VALUES			
Melt Flow Rate (2.16 kg at 230°C)	g/10 min	ASTM D1238	1.8	3.0	2.2	1.9
Tensile Strength @ Yield 50 mm/min (2 in/min)	MPa (psi)	ASTM D638	39 (5,700)	39 (5,700)	38 (5,500)	26 (3,800)
Tensile Elongation @ Yield	%	ASTM D638	6	6	6	9
Flexural Modulus 1% Secant 1.3 mm /min (0.05 in/min)	MPa (psi)	ASTM D790	1,800 (275,000)	1,900 (275,000)	1,725 (250,000)	930 (135,000)
Notched Izod Impact Strength @ 23°C	J/m (ft-lb/in.)	ASTM D256A	22 (0.5)	22 (0.4)	32 (0.6)	60 (1.1)
Heat Deflection Temperature (HDT) @ 0.45 MPa/ [66 psi]	°C (°F)	ASTM D648	123 (253)	124 (256)	118 (246)	84 (183)
MAIN FEATURE			Clarified and anti-stat	High clarity	Good clarity	Suitable for multilayer structures
APPLICATION DETAILS			Drinking cups, portion cups, bakery and produce trays	Clear drinking cups, portion cups, bakery and produce trays	Clear bottles for food packaging of syrup, condiments, sauces and fruits, clarified thermo-forming	Non-clarified bottles for institutional food packaging thermo-forming

Suffix Legend: A = Anti-static; B = Anti-block; E = Nucleation/mold release; G = Anti-gas fading; H = Heat stabilized; N = Nucleated/clarified; S = Slip/mold release; U = UV stabilizer; Z = Others