

Polypropylene made better.

Heartland Polymers' portfolio of quality polypropylene is produced at North America's first integrated PDH/PP facility, located in Alberta, Canada. With sustainability built into every aspect of our operations, our approach to production will produce 65 per cent lower greenhouse gas emissions compared to the global average among industry peers – according to an independent third-party analysis commissioned by parent company, Inter Pipeline. We are ready to deliver high quality and sustainably produced polypropylene to help advance the polymer industry as customers and consumers seek new and better products to help shape their future.

CONNECT WITH HEARTLAND POLYMERS

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 Heartland Polymers

Quality resins produced sustainably, delivered reliably

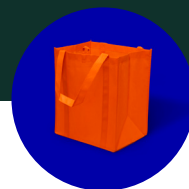
All of our polypropylene features the following attributes:

- 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 five different grades of homopolymer polypropylene for spunbound and filament fibres. With our fibre polypropylene grades, you can expect:

- High melt strength
- Advanced anti-gas fading properties
- Superior barrier properties
- Excellent tensile and flexural properties
- Enhanced draw down
- High speed processability
- Low water carryover



FABRICATION FAMILY			FIBRE HOMOPOLYMERS						
GRADE NAME			H5002	H5103	H5104 H5104A	H5012G	H5218G	H5025G	H5235G
PRIMARY APPLICATION			Strapping/Raffia	Raffia	Raffia	Staple	Staple	Multi-Filament	Spunbond
PROPERTIES	UNITS	TEST METHOD	NOMINAL VALUES						
Melt Flow Rate (2.16 kg at 230°C)	g/10 min	ASTM D1238	1.5	3.5	4.0	12.0	18.0	25.0	35.0
Tensile Strength @ Yield 50 mm/min (2 in/min)	MPa (psi)	ASTM D638	37 (5,350)	37 (5,350)	37 (5,350)	37 (5,350)	35 (5,100)	37 (5,350)	32 (4,650)
Tensile Elongation @ Yield	%	ASTM D638	8	8	8	7	8	7	7
Flexural Modulus 1% Secant 1.3 mm/min (0.05 in/min)	MPa (psi)	ASTM D790	1,800 (261,000)	1600 (232,000)	1600 (232,000)	1600 (232,000)	1,500 (218,000)	1550 (225,000)	1300 (189,000)
Notched Izod Impact Strength @ 23°C	J/m (ft-lb/in.)	ASTM D256A	45 (0.8)	40 (0.7)	40 (0.7)	35 (0.7)	25 (0.5)	25 (0.5)	20 (0.4)
Heat Deflection Temperature (HDT) @ 0.45 MPa/ (66 psi)	°C (°F)	ASTM D648	104 (219)	104 (219)	106 (223)	104 (219)	104 (219)	104 (219)	104 (219)
MAIN FEATURE			High Toughness	Multi-purpose	Multi-purpose	Anti-gas fading	Narrow MWD/ Anti-gas fading	Anti-gas fading	Narrow MWD/ Anti-gas fading
APPLICATION DETAILS			Strapping, sheet extrusion	25 kg bags, jumbo bags, carpet backing, rope, twine, straws and tubing, general purpose additives	25 kg bags, carpet backing, straws, tubing, general purpose additives	Yarns and non- wovens for furniture, automotive, carpet backing, wall coverings, suitable for short spin process	Yarns and non- wovens for furniture, automotive carpet backing, wall coverings, suitable for short spin process	Carpet face yarn	Spunbond grade for diapers and hygiene applications

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