

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.

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 14 different grades of polypropylene for packaging, caps and closures and housewares. With our molding polypropylene grades, you can expect:

- Low gels
- High clarity
- Low shrinkage
- High heat deflection
- Faster processing
- Excellent mold release properties

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 Heartland Polymers



MOLDING

FABRICATION FAMILY			MOLDING HOMOPOLYMERS					MOLDING RANDOM CO-POLYMERS								
GRADE NAME			H7012 H7012N H7012S	H7020S	H7035 H7035N H7035E	H7050E	H7060E	R7012NA	R7012NA2	R7020NA	R7030NA	R7035NA	R7045NA	R7050NS	R7070NA	R7085NA
PRIMARY APPLICATION			Consumer/ Housewares	Caps and closures	Packaging	Packaging	Packaging	Consumer/ Housewares	Consumer/ Housewares	Consumer/ Housewares	Packaging	Packaging	Packaging	Caps and Closures	Packaging	Packaging
PROPERTIES	UNITS	TEST METHOD	NOMINAL VALUES													
Melt Flow Rate (2.16 kg at 230°C)	g/10 min	ASTM D1238	12.0	20.0	35.0	50.0	60.0	12.0	12.0	20.0	30.0	35.0	45.0	50.0	70.0	85.0
Tensile Strength @ Yield 50 mm/min (2 in/min)	MPa (psi)	ASTM D638	36 (5,200) 37 (5,350) 37 (5,350)	37 (5,350)	35 (5,100)	35 (5,100)	36 (5,200)	27 (3,900)	27 (3,900)	27 (3,900)	27 (3,900)	28 (4,050)	28 (4,050)	28 (4,050)	28 (4,050)	28 (4,050)
Tensile Elongation @ Yield	%	ASTM D638	7	7	7	6	5	9	9	8	8	8	9	9	5	5
Flexural Modulus 1% Secant 1.3 mm/min (0.05 in/min)	MPa (psi)	ASTM D790	1550 (225,000) 1790 (260,000) 1700 (247,000)	1700 (247,000)	1650 (239,000) 1800 (261,000) 1800 (261,000)	1800 (261,000)	1750 (254,000)	1100 (160,000)	1100 (160,000)	1100 (160,000)	1100 (160,000)	1100 (160,000)	1060 (155,000)	1060 (155,000)	1020 (150,000)	1000 (145,000)
Notched Izod Impact Strength @ 23°C	J/m (ft-lb/in.)	ASTM D256A	30 (0.6)	25 (0.5)	20 (0.4)	20 (0.4)	20 (0.4)	53 (1.0)	53 (1.0)	47 (0.9)	44 (0.8)	38 (0.7)	50 (0.9)	55 (1.0)	40 (0.7)	37 (0.7)
Heat Deflection Temperature (HDT) @ 0.45 MPa/ (66 psi)	°C (°F)	ASTM D648	104 (219)	104 (219)	110 (230)	110 (230)	110 (230)	83 (181)	83 (181)	83 (181)	83 (181)	78 (172)	83 (181)	-	-	-
MAIN FEATURE			Barefoot for master-batch/ Others multi- purpose	Multi- purpose	Low taste and odor	Low taste and odor/ fast cycle time/ high stiffness	Low taste and odor/low warpage	Fast cycle time/ low shrinkage/ good clarity	Fast cycle time/ low shrinkage/ superior clarity	Fast cycle time/ low shrinkage/ good clarity	Low taste and odor/ high clarity	Low taste and odor/ high clarity/ low blooming	Low taste and odor/ improved cycle time/ high clarity	Improved organoleptics	Low taste and odor/ fast cycle time/superior clarity and low blooming	Low taste and odor/ fast cycle time/superior clarity
APPLICATION DETAILS			Packaging, consumer housewares	Large caps & closures for wide mouth containers, general purpose injection molding of thick parts	Food packaging, multimedia cases, cosmetic cases, personal products, large lids	Food packaging, multimedia cases, cosmetic cases, personal products, large lids	Food packaging, multimedia cases, cosmetic cases, personal products, large lids	Clear food storage containers, clear organizers for fishing tackle, hardware and hobby supplies, clear bins and drawers	Clear food storage containers, clear organizers for fishing tackle, hardware and hobby supplies, clear bins and drawers	Clear food storage containers, clear organizers for fishing tackle, hardware and hobby supplies, clear bins and drawers	Clear food storage containers, clear organizers for fishing tackle, hardware and hobby supplies, clear bins and drawer	Clear food packaging, multimedia cases, cosmetic personal products	Clear food packaging, multimedia cases, cosmetic personal products	Caps and closures for bottles and containers, clear thin wall injection molding applications	Clear food packaging, multimedia cases, cosmetic cases, personal products	Clear food packaging, multimedia cases, cosmetic cases, personal products