



Blue Polymers is a joint venture of Republic Services, a leader in the environmental services industry, and Ravago, a leader in polymer recycling and distribution. We enable true circularity through advanced mechanical recycling that allows plastics to be reprocessed multiple times without compromising integrity. With Blue Polymers resins, featuring up to 100% post-consumer-recycled content, the technology has achieved its true potential.

PRODUCT PORTFOLIO

Product	Type	FDA LNO	Process	PCR %	Color	PE MI (190 °C/2.16 kg) or PP MFR (230 °C/2.16 kg)	PE Density (g/cc) or PP Flex Modulus (kpsi) / Notched Izod (ft-lb/in)
HDPE055-06NF	HDPE	Yes	Blow Molding	55%	Natural	0.35	0.955
HDPE100-06NF	HDPE	Yes	Blow Molding	100%	Natural	0.6	0.960
HDPE100-06N	HDPE	No	Blow Molding	100%	Natural	0.6	0.960
HDPE100-05W	HDPE	No	Blow Molding	100%	White	0.55	0.955
HDPE100-05ROY	HDPE	No	Blow Molding	100%	Red, Orange, Yellow Mix	0.50	0.955
HDPE100-05T	HDPE	No	Blow Molding	100%	Teal	0.50	0.955
PP055-252WF	PP	Yes	Injection Molding	55%	Colorable White	25	165,000 / 2
PP100-252WF	PP	Yes	Injection Molding	100%	Colorable White	25	165,000 / 1.5
PP100-202MC	PP	No	Injection Molding	100%	Mixed Color	20	165,000 / 2
rPET							
CL-LNO-01-01-82	PET	Yes	Bottle Grade	100%	Clear	.82 IV	L* >67
CL-LNO-01-01-80	PET	Yes	Bottle Grade	100%	Clear	.80 IV	L* >67
CL-LNO-01-01-76	PET	Yes	Bottle Grade	100%	Clear	.76 IV	L* >67

*The product descriptions and other information given above (the "Information") is developmental, provided for promotional purposes only, and is subject to change without notice. Blue Polymers, LLC does not represent, warrant, or otherwise guarantee, the merchantability, fitness for a particular purpose, accuracy, reliability, or completeness of this Information. You, the recipient, are solely responsible for all determinations regarding any use of product or reliance on the Information. Blue Polymers, LLC expressly disclaims liability for any claim directly or indirectly related to or arising from your use of, or reliance on, the Information. REVISED 03/11/2026

For more information about these products contact your Blue Polymers Distribution Partner:

Muehlstein | (800) 25-RESIN (73746) | info@muehlstein.com | www.muehlstein.com





CIRCULARITY IN ACTION

Building a Transparent, Sustainable Future

Blue Polymers is changing plastics recycling for the better making it truly transparent, traceable, and circular. By directly integrating with Republic's nationwide post-consumer curbside network, we introduce a first of its kind vertically integrated model with foundational supply security and resin quality for the USA market.

Our Post-Consumer Recycled (PCR) product offerings range from rHDPE, rPP, and rPET, including food grade compliant, natural, and color options. Innovative and advanced recycling technology ensures product performance is held to the highest standard for quality control, processability, and deodorization.

Local Impact at National Scale

Blue Polymers regional model keeps plastics in circulation closer to their origin point, while reducing carbon emissions and logistics cost. Making sustainability cost-effective and nationally scalable.



How Blue Polymers Closes the Loop

Our centers position us closer to the supply – and the solution.

100%

Domestic sourcing for end-to-end circularity

300M+

Pounds of recycled plastics processed annually

5

Strategic facilities across the United States



How Our Mission Aligns with Yours

Learn about our unique processes, products, and how we can help you meet your sustainability goals.