



Negombo Recycling Club Pvt Ltd

Catalogue

RECYCLED POLYMER



2026



ABOUT US

" Supported by the World Bank, we are more than a club; we are a manufacturing revolution. We turn plastic waste into high-value raw materials and premium upcycled and recycled products to meet global supply chain demands."

Mission

Turning Today's Waste into Tomorrow's Value.
We recover responsibly, recycle innovatively, and empower locally, making your business 100% sustainable.



Negombo Recycling Club Pvt Ltd

WHY CHOOSE NRC

- ✓ **High-quality pellets & flakes**
The customized sorting process and advanced machinery ensure higher-quality pellets compared to other recycled sources
- ✓ **Strong traceability (waste → product)**
Full traceability from waste source to final product ensures transparency, accountability, and strong sustainability storytelling for brands.
- ✓ **Competitive pricing**
Cost-effective recycled materials offering significant savings compared to virgin plastics without compromising on quality or performance.
- ✓ **Short lead times**
Efficient local supply chain enables faster delivery, reducing dependency on imports and ensuring uninterrupted production cycles.
- ✓ **Social & environmental impact**
Every purchase supports ocean plastic reduction, community livelihoods, and circular economy solutions addressing global environmental challenges.

PRODUCT RANGE

- ✓ **PP Pellets / Flakes**
- ✓ **HDPE Pellets / Flakes**
- ✓ **LDPE / PS / Nylon Pellets**
- ✓ **PET Bales / Flakes**
- ✓ **UBC bale (Aluminum)**



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KEY PRODUCTS

PP and HDPE flakes and pellets from solid plastics ensure durability, consistency, and suitability for diverse recycling applications.



PP Injection: Flakes and pellets

Injection-grade flakes and pellets produced from well-separated ice cream containers, paint buckets, and chairs ensure high-quality, consistent, and durable recycled material performance.



PP Blow: Flakes and pellets

Blow-grade flakes and pellets from properly segregated sauce and school water bottles ensure consistent quality, clarity, and reliable performance for bottle manufacturing applications



HDPE Injection: Flakes and pellets

Injection-grade HDPE flakes and pellets from segregated bottle caps and rings ensure high strength, consistency, and reliable performance for durable molding applications



HDPE Blow: Flakes and pellets

Blow-grade HDPE flakes and pellets from segregated milk, oil, sanitizer, and cleaning containers ensure strength, consistency, and reliable performance for packaging applications

FROM WASTE TO RESOURCE

Flow diagram:

Waste → Collection → Sorting → Washing → Compounding → Pellets

01 Waste

We collect bottles, caps, films, containers, and factory scrap, ensuring consistent input quality and processing efficiency.

02 Collection

An islandwide network of collectors, e-bikes, and suppliers ensures efficient, reliable plastic waste sourcing and logistics.

03 Sorting

Skilled workers carefully sort plastics by type, color, and quality, ensuring consistent, contamination-free recycled material output.

04 Washing

The advanced washing process removes contaminants, labels, and residues, ensuring clean, high-quality recycled plastic material output.

05 Compounding

Double-filtered compounding process removes impurities effectively, ensuring contamination-free, consistent, high-quality recycled polymer pellets output.

06 Pellets

Pellets are rigorously tested through NRC quality assurance and control units, ensuring consistent, reliable performance.



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RECYCLED POLYMER SOLUTIONS (B2B)

- Suitable for injection molding and blow molding
- Available in pellet and flake form
- Consistent MFI and density control
- High MFI pellets
- Custom colours (natural, white, and colours)
- Reliable monthly supply capacity
- Derived from traceable and specific waste streams





RECYCLED POLYMER SOLUTIONS (B2C)

NRC plastic flakes and pellets are produced through advanced segregation, thorough washing, and precise flaking and compounding processes, ensuring high purity, consistent quality, and reliable performance across diverse recycled product applications.





WHERE OUR MATERIALS ARE USED

- Injection molding
- Blow molding
- Packaging
- Household products
- Automotive parts



TECHNICAL SPECIFICATION

HDPE Injection Grade | rPellets | PCR-PIR

PROPERTY	RESULTS	UNIT	PROTOCOL
Density	0.88-0.92	g/cm3	ISO 1183
Tensile Strength	20-32	MPa	ASTM D638
Ash content	<1	%	
Moisture content	<1	%	
Melt Flow Index (250 C @ 2.16kg)	7-12	g/10min	ASTM D1238

TECHNICAL SPECIFICATION

Polypropylene(PP) Injection Grade | rPellets | PCR-PIR

PROPERTY	RESULTS	UNIT	PROTOCOL
Density	0.78-0.82	g/cm3	ISO 1183
Tensile Strength	22-32	MPa	ASTM D638
Ash content	<1	%	
Moisture content	<1	%	
Melt Flow Index (230 C @ 2.16kg)	12-18	g/10min	ASTM D1238

TECHNICAL SPECIFICATION

HDPE Blow Grade | rPellets | PCR-PIR

PROPERTY	RESULTS	UNIT	PROTOCOL
Density	0.88-0.92	g/cm3	ISO 1183
Tensile Strength	20-32	MPa	ASTM D638
Ash content	<1	%	
Moisture content	<1	%	
Melt Flow Index (190 C @5kg)	0.1-15	g/10min	ASTM D1238

TECHNICAL SPECIFICATION

Polystyrene (PS) | rPellets | PCR-PIR

PROPERTY	RESULTS	UNIT	PROTOCOL
Density	1.04-1.07	g/cm3	ISO 1183
Tensile Strength	35-45	MPa	ASTM D638
Ash content	<1	%	
Moisture content	<1	%	
Melt Flow Index (190 C @5kg)	3-15	g/10min	ASTM D1238



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SUSTAINABILITY IMPACT

- 2,000,000 kg of plastic recovered
- CO₂ emissions reduced
- Community livelihoods supported



OUR PROJECT PARTNERS





Negombo Recycling Club Pvt Ltd

CONTACTS

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Partner with NRC for sustainable, traceable recycled materials.