



OMAN-ORIGIN RECYCLED PE

Recycled PE grades for dependable industrial conversion.

Rigid rHDPE and flexible rLDPE/rLLDPE grade options from Oman.
Supported by declared MFI, density, appearance and application data.

rHDPE

rigid grade family

rLDPE / LLDPE

flexible grade family

1 FCL

minimum order

COMMERCIAL FEEDSTOCK PROFILE



Editorial image: Michal Parzuchowski / Unsplash

WHY GREEN MUSCAT

Clear grade data.

Application alignment.

Responsive support.

- 11 listed PE grade options.
- MFI and density disclosed.
- Rigid and flexible families.
- Samples and CoAs on request.

GREEN MUSCAT

Redefining plastics

Renewing possibilities

A STRAIGHTFORWARD SUPPLY OFFER

Designed for efficient qualification

Grade data, supply terms and buyer-specific technical review.

01 Origin

Post-consumer and post-industrial PE streams, depending on grade, processed in Oman.

02 Grade selection

Rigid and flexible PE options assessed against the buyer's application and process.

03 Commercial supply

Full-container orders with grade-specific availability and loading confirmation.

04 Buyer support

Samples, grade data, shipment documents and CoAs available within the agreed qualification path.

NON-PRESSURE PIPE

TANK + BARREL

FLEXIBLE PE FILM

Application suitability is confirmed against the buyer's specification and trial results.

Two material families. Multiple conversion routes.

A focused range for rigid and flexible polyethylene applications.

A grade portfolio built around process compatibility

Editorial grade-family visual; actual colour, form and appearance are confirmed by sample and batch documentation.

Editorial image: Google DeepMind / Unsplash

RIGID PE

rHDPE grades

GM13 + GM16 | non-pressure pipe evaluation

GM14 + GM21 | tank and barrel evaluation

Typical buyer checks

MFI under stated load | density | ash/filler | colour | OIT where applicable

FLEXIBLE PE

rLDPE / rLLDPE grades

GM15 + GM23 + GM22 | transparent film evaluation

GM19 + GM18 | coloured film evaluation

GM20 + GM24 | black film evaluation

Typical buyer checks

MFI | density | ash/filler | appearance | film-process compatibility

APPLICATION NOTE Recycled HDPE grades are positioned for non-pressure applications. Potable pressure pipe requires an appropriately approved virgin resin system.

DECLARED GRADE DATA

Recycled PE grade matrix

Current listed values from Green Muscat's April 2026 product specification.

CODE	POLYMER / TYPE	MFI (g/10 min)	DENSITY	ASH / FILLER	APPEARANCE	TYPICAL EVALUATION
GM13	rHDPE PE100	1.6 @190 C/2.16 kg	0.94	~1.5-2.5%	Black	Non-pressure pipe
GM16	rHDPE PE100 / OIT	0.38 @190 C/2.16 kg	0.95	~1.5-2.5%	Black	Non-pressure pipe
GM14	rHDPE BL3	1-2 @190 C/5 kg	0.94	None	White	Tank / barrel
GM21	rHDPE BL3 natural	2-2.5 @190 C/5 kg	0.94	None	White	Tank / barrel
GM15	rLDPE / rLLDPE	0.3-0.9	0.92	None	Transparent	Film
GM23	rLDPE / rLLDPE	0.3-1.0	0.92	None	Transparent	Film
GM22	rLDPE / rLLDPE	0.3-1.2	0.92	max 0.3%	Transparent	Film
GM19	rLDPE / rLLDPE	0.3-1.1	0.93	max 2.5%	Honey	Coloured film
GM18	rLDPE / rLLDPE	0.3-1.3	0.93	max 3%	Dark honey	Coloured film
GM20	rLDPE / rLLDPE film	0.3-1.1	0.95	~3%	Black	Black film
GM24	rLDPE / rLLDPE film	0.3-1.3	0.95	~3%	Black	Black film

MFI values are at 190 C / 2.16 kg unless another load is stated. Density values are in g/cm3. Ash/filler values are approximate by weight.
Values are typical listed data, not shipment guarantees. Contractual specifications and test methods are agreed during qualification.

BUYER INPUT

Confirm your test conditions

MFI load and temperature must match the buyer's incoming specification.

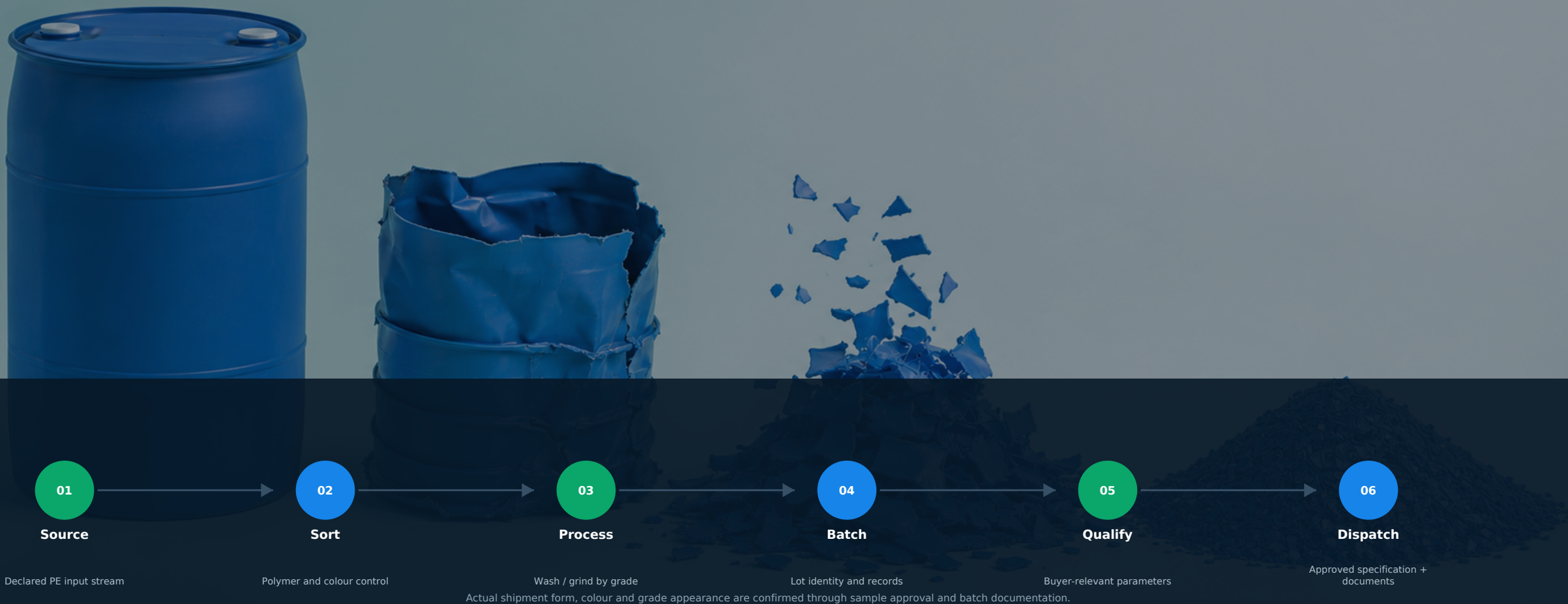
Qualification

- Grade data review
- Representative sample
- Buyer-process trial
- Shipment specification
- Lot documentation

QUALITY + TRACEABILITY

From rigid PE to buyer-ready regrind

An editorial transformation visual supported by grade-specific qualification and shipment records.



A practical path from grade review to shipment

Full-container supply with grade-specific availability, packaging and documentation.

MINIMUM ORDER 1 FCL One 20-foot full-container load.	LEAD TIME 2-4 weeks From confirmed order, subject to grade.	QUALIFICATION PATH Sample -> review -> trial Compatibility review precedes supply approval.
ORIGIN Sultanate of Oman	LOAD PORT Sohar or Salalah, Oman	INCOTERMS FOB, CFR, CIF or buyer-agreed basis
PAYMENT LC at sight or mutually approved terms	PACKAGING 25 kg bags or buyer-approved FIBC	DOCUMENTATION CoA and export / shipment documents



NEXT STEP

Send us your PE grade requirement.

We will assess compatibility and propose the right sample, evidence and commercial path.



Polymer family + application



Required MFI + test load



Density and ash / filler



Colour and appearance



Pellet / regrind preference



Destination and Incoterm

COMMERCIAL ENQUIRIES

Green Muscat

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Values shown are typical listed results and do not constitute a shipment warranty. Contractual specifications, test conditions, material form, colour and availability are agreed for each supply arrangement. Buyers must validate suitability for their own process and finished application.