Green Muscat

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.

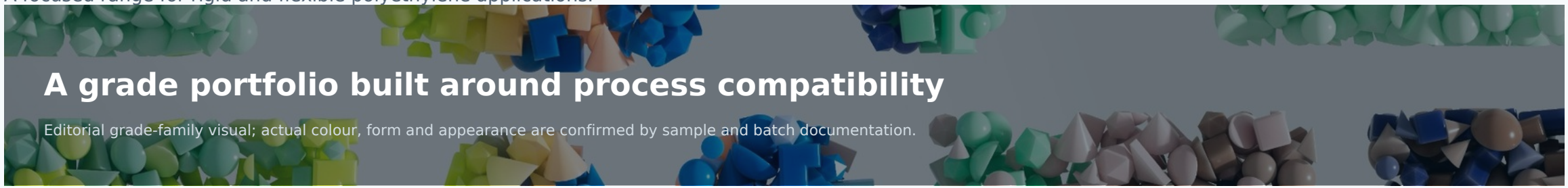
NON-PRESSURE PIPE | TANK + BARREL | FLEXIBLE PE FILM

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

PE GRADE PORTFOLIO

Two material families. Multiple conversion routes.

A focused range for rigid and flexible polyethylene applications.



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.



01 Source
Declared PE input stream

02 Sort
Polymer and colour control

03 Process
Wash / grind by grade

04 Batch
Lot identity and records

05 Qualify
Buyer-relevant parameters

06 Dispatch
Approved specification + documents

Actual shipment form, colour and grade appearance are confirmed through sample approval and batch documentation.

SUPPLY AND COMMERCIAL READINESS

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

HDPE blow moulding samples

Our photographed material samples, presented alongside the original feedstock profile.



HDPE Blow Moulding - White



HDPE Blow Moulding - Blue

Colour, material form, grade and shipment specifications are confirmed by sample and batch documentation.

Further polyethylene grades

Our photographed material samples, presented alongside the original feedstock profile.



PE 100



HDPE Film Grade

Colour, material form, grade and shipment specifications are confirmed by sample and batch documentation.

LDPE film-grade samples

Our photographed material samples, presented alongside the original feedstock profile.



LDPE - Clear



LDPE - Dark Honey

Colour, material form, grade and shipment specifications are confirmed by sample and batch documentation.

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

Sustainability Solution Company

Al Rusayl, Muscat, Sultanate of Oman

Marketing & Export Team

info@greenmuscat.com

www.greenmuscat.com

GREENMUSCAT.COM

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.