



RECYCLED PRODUCTS

**PRODUCT** LIST

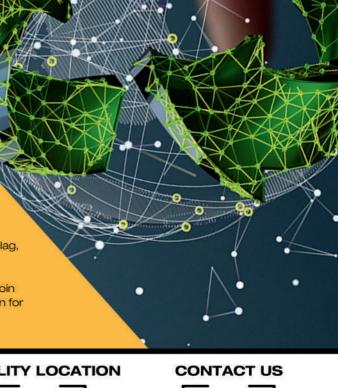
2024

#### **GREMLOG TRADING DMCC**

Welcome to the Gremlog Trading DMCC Recycled Products Catalog. As the integrated sales service provider of the VIQA Investment Group of Companies, we take great pride in offering comprehensive solutions for all your procurement needs.

At our company, we're pioneering industrial solutions by harnessing the power of recycled materials sourced from diverse industries. We're not only reducing environmental impact but also creating innovative products and processes. Through careful research and development, we're transforming these recycled materials into valuable resources for industries ranging from construction to manufacturing.

We specialize in supplying a wide range of recyclable materials, including recycled aggregate and road-base, silica sand, refractory bricks, mill scale, slag, different types of plastic materials, carbon anodes ,cryolite, alternative fuel, metals, and much more. Whether you're a local or international customer, Gremlog will serve as the focal point of contact for your procurement teamJoin us at Gremlog Trading DMCC to experience a seamless and efficient solution for all your business needs



#### WEBSITE



#### WHATSAPP LINK



#### **FACILITY LOCATION**





#### Carbon Anodes Product List



#### **About Us**

Welcome to Gremlog Trading DMCC, your reliable source for high-quality recycled materials tailored for various industrial purposes. As a leading supplier of eco-conscious materials, we take pride in offering a diverse range of recycled materials, including cryolite, bath material, carbon dust, secondary cryolite, metal scrap such as fine iron scrap, rebars, aluminium scrap and more. With a strong commitment to sustainability, our recycled materials are engineered to meet the demanding needs of industrial projects while promoting environmental responsibility.

#### **Carbon Anodes**

Gremlog Trading DMCC is a leading supplier of recycled carbon anodes, a sustainable solution with versatile applications. Derived from a meticulous recycling process, our recycled carbon anodes serve as essential components in aluminum smelting, facilitating efficient electrolytic reactions. Carbon Anodes / Anode Butts represent the residual portion of prebaked anode carbon blocks used in electrolytic tanks.

Physical Chemical Properties Carbon Anodes Sizes

TEST	TEST METHOD	RESULT			
Total Sulphur, %	ED-XRF / ICP-AES	<0.1	O-1 MM	10-30 MM	100-500 MM
Ash Content, %	ISO 1171	0.64			
Volatile Matter, %	ISO 562	4.17	1-4 MM	30-50 MM	100-1200 MM
Fixed Carbon Content, %	ISO 17246	95.08	4-10 MM	50-100 MM As p	As per
Moisture Content,	ISO 589	0.11			request

#### **Facility Location:**



Office Location: Dubai, JLT, Cluster P, Armada 2, Office: 3004

Site Location: KIZAD B - KHIBT-85, Abu Dhabi

Phone:+971 50 837 4707 Email: info@gremlog.com



Welcome to Gremlog Trading DMCC, where we lead the charge in sustainable solutions and innovation. Our premier offering, carbon dust, is a by-product of aluminium smelting that underscores our commitment to environmental responsibility. As the primary supplier for carbon dust production, Gremlog Trading DMCC spearheads this groundbreaking initiative. This high-carbon-content by-product, derived during the production of anodes for aluminium smelting, serves as a remarkable alternative fuel for the cement industry.

The utilization of 78,000 tonnes of carbon dust has translated into savings of approximately 36,000 tonnes of CO2 emissions, signifying a substantial reduction in dependence on traditional fuels and a meaningful stride towards a more environmentally responsible future. Going beyond the supply chain, Gremlog Trading DMCC actively engages in the processing and re-use of stockpiled carbon dust. This approach ensures that previously generated material plays a pivotal role in advancing the circular economy. We invite you to join us in shaping a greener future with our premium carbon dust—a testament to our unwavering dedication to environmental responsibility and innovation.

#### **Carbon Dust Test Report**

Test	Method	Unit	Result
Moisture Content	ISO 589	%	2.60
Ash Content	ISO 1171	%	38
Volatile Matter	ISO 562	%	6.76
Fixed Carbon Content	ISO 17246	%	48.00
Total Sulphur	ED-XRF / ICP-AES	%	<0.1
Gross Calorific Value, kcal/kg	ı.	kcal/kg	4072

#### Calorific Value, Moisture, Ash Results

S. No	VR Code	Sample Describtion	Gross Calorific Value, kcal/kg	Moisture	Ash
3	VR032/23	CARBON DUST	4003 kcal/kg	0.79%	39.30%

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## GREMLOG Gremlog Trading DMCC

Choose Gremlog Trading DMCC stands as your premier supplier of Carbon Black Powder, whether you need it for pigmenting purposes or as a strengthening agent in rubber. Our CBP stands out as the optimal choice, offering unparalleled quality and reliability. Our dedicated team of experts is readily available to offer technical support and guide you in selecting the perfect solution tailored to your specific application needs. We understand the importance of reliable and high-quality materials in your processes, and we strive to exceed your expectations at every step.

TEST	UNIT	RESULT CARBON BLACK 0-1 MM	RESULT CARBON BLACK 1-4 MM
Moisture Content	%	0.10	0.10
Ash, oven dried	%	4.67	1.69
Volatile Matter	%	3.01	1.97
Fixed Carbon Content	%	92.32	96.34
Gross Calorific Value, kcal/kg	kcal/kg	7035	7644





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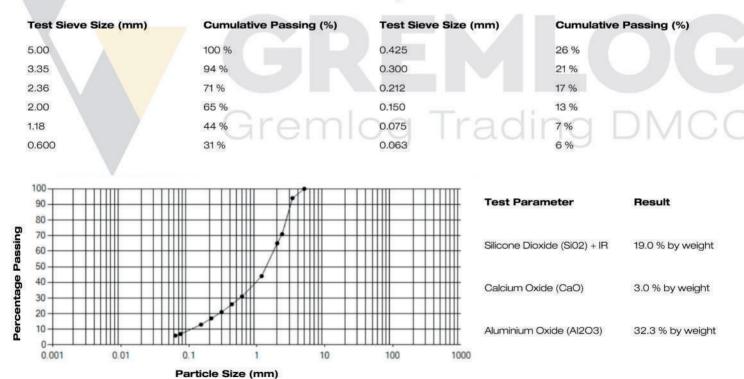
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As the integrated sales service provider of the VIQA Investment Group of Companies, we take great pride in offering comprehensive solutions for all your procurement needs. We specialize in supplying a wide range of recyclable materials. Whether you're a local or international customer, Gremlog will serve as the focal point of contact for your procurement team. Offering cryolite in various sizes and varieties, Gremlog Trading DMCC provides customisable solutions.

Partner with us, and experience firsthand our dedication to circular economy principles as we shape responsible, eco-friendly solutions for diverse clients, from SMEs to Stock-Listed Firms and Governments. Explore the technical intricacies of our cryolite production process and discover how Gremlog Trading DMCC sets the benchmark for tailormade recycling solutions, delivering unparalleled quality and reliability in the aluminum industry.

#### Sieve Analysis



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Gremlog Trading DMCC stands at the forefront of technological innovation with our advanced cryolite production, a pivotal component in the aluminum smelting process. Cryolite acts as a solvent for Bauxite, playing a critical role in the extraction of aluminum through the Hall-Héroult electrolytic process. Our state-of-the-art production facilities employ rigorous quality control measures to ensure the highest standards of purity and particle size distribution in our cryolite offerings.

As an integral part of aluminum production, cryolite functions as a conductive medium, facilitating the dissolution of alumina and enabling the extraction of aluminum metal. Our cryolite is engineered to possess optimal chemical and physical properties, enhancing its efficiency in the electrolysis process. Its precisely controlled particle sizes, available in various dimensions including 0-5 mm, 5-20 mm, 20-40 mm, 0-40 mm, and 5-40 mm, cater to the diverse needs of industries engaged in aluminum smelting.

At Gremlog, our commitment extends beyond technological prowess; we are dedicated to delivering cryolite solutions that not only meet stringent technical specifications but also align with our principles of environmental sustainability. As the integrated sales service provider of the VIQA Investment Group of Companies, we take great pride in offering comprehensive solutions for all your procurement needs. Whether you're a local or international customer, Gremlog will serve as the focal point of contact for your procurement team. Our dedicated team works diligently to provide you with top-quality products and exceptional customer service. With our extensive network and industry knowledge, we can fulfil all your requirements promptly and effectively. Join us at Gremlog Trading DMCC and experience a seamless and efficient solution for all of your business requirements.

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Test Parameter	Result	Available Sizes:	
Silicone Dioxide (Si02) + IR	19.0 % by weight	0-5 MM	20-40 MM
Calcium Oxide (CaO)	3.0 % by weight	5-20 MM	0-40 MM
Aluminium Oxide (Al2O3)	32.3 % by weight	5-40 MM	

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Gremlog Trading DMCC emerges as a pioneering force in the recycling landscape, offering recycled silica sand in sizes ranging from 0-1mm to 1-4mm. Leveraging the inherent advantages of repurposed silica-based spent foundry sands, Gremlog Trading DMCC champions sustainable practices within the metal casting industry. By providing recycled silica sand, Gremlog Trading DMCC contributes to energy conservation, reduces reliance on virgin materials, and delivers cost-effective solutions for both producers and end users. Gremlog Trading DMCC's recycled silica sand stands as a versatile resource, poised to revolutionize not only traditional applications but also industry-specific needs.

With its origins in spent foundry sands from the metal casting industry, this recycled silica sand finds renewed purpose as a foundational material for roads, an essential ingredient in manufactured soil, and a component of soilless media like potting soil. Moreover, its inherent properties make it ideal for reuse within the metal industry, contributing to the circular economy by minimizing waste and maximizing resource efficiency. Gremlog Trading DMCC's commitment to innovation and sustainability ensures that their recycled silica sand remains a cornerstone of eco-conscious practices across various sectors, paving the way for a greener, more efficient future.

ELEMENTS	% RESULT	ERROR	VALUE
Silicon Dioxide (Si02)	93.87	Tradino	0.12%
Potassium Oxide (K2O)	2.38	±	0.06%
Aluminium Oxide (Al2O3)	1.35	±	0.13%
Magnesium Oxide (MgO)	1.16	±	0.20%
Chromic Oxide (Cr2O3)	0.67	±	0.01%
Iron Oxide (Fe2O3)	0.24	±	0.00%
Titanium Dioxide (TiO2)	0.17	±	0.01%
Calcium Oxide (Ca0)	0.09	±	0.05%
Zirconium dioxide (ZrO2)	0.05	±	0.00%

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ELEMENTS	% RESULT	ERROR	VALUE
Silicon Dioxide (Si02)	48.26	±	0.23%
Iron Oxide (Fe2O <mark>3)</mark>	36.40		0.16%
Aluminium Oxide (Al2O3)	4.6	±	0.3%
Magnesium Oxide (MgO)	4.5	±	0.6%
Chromic Oxide (Cr2O3)	2.75	Tratlina	0.02%
Manganese Monoxide (MnO)	0.64	Trading	0.1%
Potassium Oxide (K2O)	0.57	±	0.05%
Calcium Oxide (Ca0)	0.55	±	0.04%
Nickel oxide (NiO)	0.55	±	0.01%
Zirconium dioxide (ZrO2)	0.42	±	0.00%
Phosphorus pentoxide (P2O5)	0.35	±	0.10%
Titanium Dioxide (TiO2)	0.16	±	0.03%
Molybdenum Oxide (MoO3)	0.11	±	0.00%
Copper Oxide (CuO)	0.05	±	0.00%
Vanadium oxide (V2O5)	0.02	±	0.01%

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# GREMLOG Gremlog Trading DMCC Image Source, Vantage Internatioal Metal Industries (Subsidiary of VIGA Investment), KIZAD Facility, 2024

We specialize in offering recycled mill scale, which refers to the reclaimed or repurposed mill scale derived from hot rolled steel surfaces. Instead of being discarded as waste, this recycled mill scale undergoes meticulous processing to extract valuable components or transform it into usable materials. This versatile resource finds application across various industrial sectors, including iron and steel production, where it serves as a source of iron oxides in blast furnaces or electric arc furnaces. Moreover, it contributes to cement production as an essential component in cement clinker, enhancing the chemical composition of the final product. Additionally, recycled mill scale finds utility in diverse industrial applications, such as the production of ferrous sulfate for agricultural and water treatment purposes, or as a constituent in specialty products and construction materials. By offering recycled mill scale, we actively contribute to minimizing waste generation and conserving resources, ensuring compliance with quality standards and environmental regulations through proper handling and processing protocols.

ELEMENTS	% RESULT	ERROR	VALUE
Iron Oxide (Fe2O3)	59.5	±	0.3%
Sulfur dioxide (SO2)	9.90	±	0.09%
Magnesium Oxide (MgO)	8.8	±	0.9%
Calcium Oxide (Ca0)	6.30	±.	0.06%
Silicone Dioxide (Si02)	6.05	±	0.14%
Aluminium Oxide (Al2O3)	4.1	±	0.3%
Phosphorus pentoxide (P2O5)	3.78	±	0.12%
Zinc Oxide (Zn0)	0.57	±	0.01%
Manganese Oxide (MnO)	0.39	±	0.01%
Titanium Dioxide(TiO2)	0.20	±	0.04%
Barium Oxide (BaO)	0.09	±	0.04%
Potassium Oxide(K2O)	0.07	±	0.07%
Chromium Oxide(Cr2O3)	0.06	±	0.01%
Copper Oxide (Cu0)	0.05	±	0.00%
Lead Oxide (PbO)	0.04	±	0.01%

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Road and Railway Construction: Our recycled aggregate is ideal for use in asphalt and sub-base layers, providing a strong foundation for roads and railways.

Unpaved Surfaces and Temporary Roadways: Whether for temporary roadways, parking lots, or footpaths, our aggregate ensures stability and longevity.



Stone Columns and General Construction: Benefit from our versatile product, suitable for stone columns and a wide range of general construction projects.

In-Mix Raw Material for Cement Production: Our high-quality aggregate can serve as an essential raw material in cement production, enhancing its strength and durability.



Shot-Blasting Material: Choose our aggregate for shot-blasting applications, where its hardness and uniformity make it an excellent choice.

Specialist Applications: Utilize our aggregate for ground-water filtration and hydraulic engineering projects, where its properties deliver optimal results.

#### Locations:

- Umm Al Quawain
- Ajman
- Dubai
- Abu Dhabi

#### Standard Sizes:

- 0-5 MM
- 5-10 MM
- @ 0-40 MM

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## 

This by-product derives from the iron industries and its a valuable material for melting and manufacturing of ferrock for construction purposes. As a leading supplier of eco-conscious materials, we take pride in offering a diverse range of recycled materials, including cryolite, carbon anodes, carbon dust, bath material, steel scrap, fine iron scrap, rebars and more. With a strong commitment to sustainability, our materials are engineered to meet the demanding needs of industrial projects while promoting environmental responsibility.

ELEMENTS	% RESULT	ERROR	VALUE
Ferric Oxide (Fe03)	59.6	±	0.4%
Aluminum Oxide (Al203)	13.9	±	0.6%
Sulfur dioxide (SO2)	11.86	±	1.13%
Magnesium oxide (MgO)	6.60	±	1.0%
Silicone Dioxide (Si02)	4.20	±	0.18%
Calcium oxide (CaO)	2.70	: <b>±</b> :	0.06%
Manganese(II) oxide (MnO)	0.39	±	0.01%
Nickel oxide (NiO)	0.14	±	0.01%
Chromic oxide (Cr2O3)	0.14	±	0.01%
Copper (II) Oxide (Cu0)	0.08	±	0.00%
Titanium dioxide (TiO2)	0.07	: ± :	0.04%
Potassium Oxide(K2O)	0.06	±	0.07%
Strontium Oxide (SrO)	0.05	±	0.00%
Vanadium Oxide (V205)	0.03	±	0.01%
Zinc Oxide (ZnO)	0.03	±	0.00%

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## ALUMINIUM SCRAP











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## CAST IRON SCRAP











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## STEEL SCRAP











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## REBARS









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Renowned for its exceptional quality and purity, our polyethylene terephthalate plastic is meticulously sourced and rigorously inspected to meet the highest industry standards. Whether you're looking to reduce environmental impact or enhance operational efficiency, our polyethylene terephthalate plastic delivers unparalleled value and versatility. Trust Gremlog Trading DMCC to provide you with plastic products that aligns with your business goals and contributes to a sustainable future.

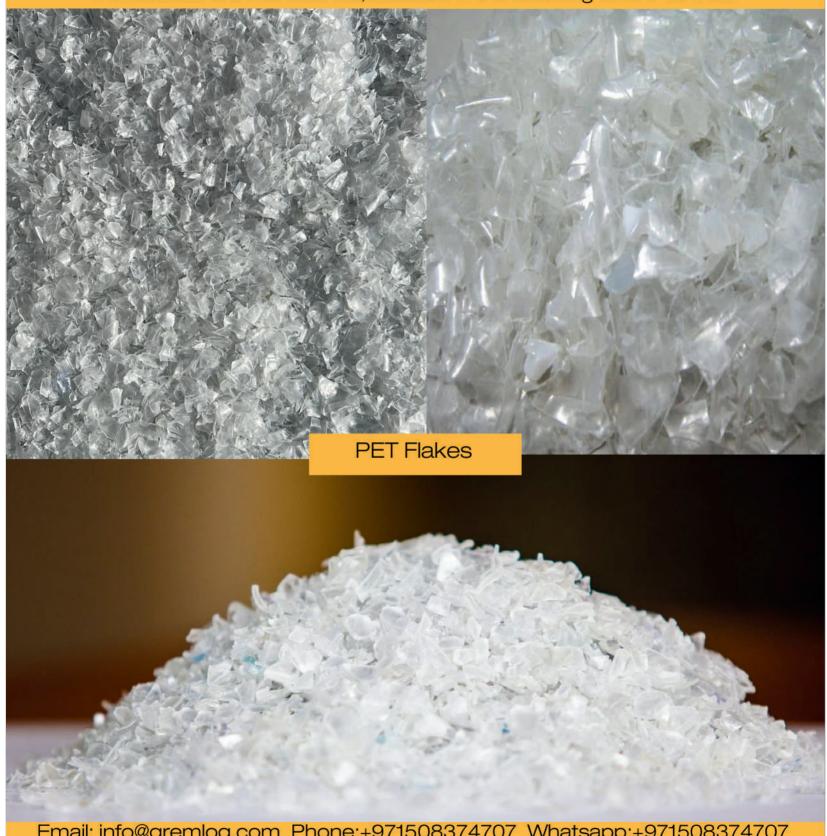






At Gremlog Trading DMCC, we're renowned for our commitment to excellence, and our PET Flakes transparent hot washed recycled stand as a testament to our unwavering dedication to quality and sustainability. Our polyethylene terephthalate (PET) plastic flakes are meticulously sourced and rigorously inspected to uphold the highest industry standards. Renowned for their exceptional quality and purity, our PET flakes undergo a transparent hot washing process, ensuring they meet stringent quality benchmarks.

All materials are hot-washed, available in the following size: 0-10 mm.



Email: info@gremlog.com Phone:+971508374707 Whatsapp:+971508374707





Discover the versatility and reliability of PP (polypropylene) plastic . PP, renowned for its robustness and flexibility, serves as a cornerstone material in numerous industries. Our catalog features a diverse range of PP options, each variant undergoes meticulous sourcing and stringent quality checks to ensure adherence to industry standards. Trust Gremlog Trading DMCC to deliver premium-grade polypropylene plastic, enabling sustainable solutions and fostering a circular economy.

All materials are non-washed, available in the following size: 0-19 mm.







Explore the robust and versatile HDPE (high-density polyethylene) plastic offerings. Our collection includes a diverse array of HDPE product variants options tailored to meet your specific requirements. Each HDPE variant undergoes meticulous sourcing and rigorous quality assurance processes to ensure reliability and performance. Trust Gremlog Trading DMCC to deliver premium-grade high-density polyethylene plastic, facilitating sustainable solutions and contributing to a circular economy.

All materials are non-washed, available in the following size: 0-19 mm.







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All materials are non-washed, available in the following size: 0-19 mm.



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20ltr Blue & White



## GET IN TOUCH

For all inquiries regarding recycled materials, Gremlog Trading DMCC stands as your premier partner. As a single point of contact for all your procurement needs, we specialise in exporting a diverse array of products worldwide. We provide comprehensive solutions tailored to meet your requirements. Contact us today to discuss how we can fulfil your procurement needs with efficiency and reliability. At Gremlog Trading DMCC, excellence is our standard, and customer satisfaction is our priority.

#### **CONTACT US:**



+971 50 837 4707



www.gremlog.com



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Office Location: Office 3004, Armada 2, Jumeirah Lake Towes, Dubai, United Arab Emirates



Facility Location: KIZAD, Abu Dhabi, United Arab Emirate

