

Product Data Sheet

Limestone — Imported from Oman (Premium Grade)

Description

Description	Premium high-purity limestone imported from Oman, with minimum 98% calcium carbonate (CaCO_3). The figures below are real-world test results demonstrating exceptional purity, very low impurities, and consistent sizing in the 30–60 mm range, making it ideal for demanding industrial and metallurgical applications.
Applications	Used in steel and iron flux, glass production, precipitated calcium carbonate (PCC), flue-gas desulphurisation (FGD), lime calcination, and other high-purity industrial processes requiring consistent high-grade chemistry.
Used In	Steel flux, glass, PCC, FGD, lime, high-purity industrial

Key Benefits

- Exceptional purity – CaCO_3 98.34% (tested)
- Very low impurities – SiO_2 0.12%, Al_2O_3 0.056%, Fe_2O_3 0.040%
- Low moisture content – 0.18%
- 95%+ consistency in the 30–60 mm size range
- Tested to ASTM C25 / IS 2109 standards

Chemical Analysis & Size Analysis

Chemical Composition (Tested) — ASTM C25 / IS 2109

Parameter	Method	Result (%)
CaO	ASTM C25	55.10
CaCO_3	ASTM C25	98.34
MgO	ASTM C25	0.35
SiO_2	ASTM C25	0.12
Al_2O_3	ASTM C25	0.056
Fe_2O_3	ASTM C25	0.040
Moisture	IS 2109	0.18

Size Analysis (Sieve Test)

Fraction	Result (%)
Above 60 mm	0.10
Between 30 – 60 mm	95.04
Below 30 mm	4.86

Physical Properties

Property	Specification
Standard Size	30 – 60 mm
Size Consistency	95%+ in 30 – 60 mm range
Moisture	0.18% (tested)
Origin	Oman (imported)

* Results are based on real-world lot testing to ASTM C25 / IS 2109. Test methods available upon request.

Packaging

- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for container / vessel shipments
- 25 kg / 50 kg PP / HDPE woven bags on request
- Custom export packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Keep away from acids and contaminants
- Stack bags on pallets to avoid ground moisture
- Handle with appropriate PPE to control dust

Disclaimer: The information provided in this document is based on real-world lot test results and is intended as a general guide. Specifications vary by lot; figures are representative test values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.