

Product Data Sheet

Mill Scale — Medium Grade

Description

Description Medium-grade mill scale is the iron-oxide by-product of hot steel rolling with an iron content of approximately 65–70% Fe and moderate impurities. It is widely used for scrap blending in steel production (scrap steel + mill scale melted in furnace to make new steel) and in some chemical processes.

Applications Used in scrap blending for steel production and some chemical processes.

Used In Scrap blending in steel production, chemical processes

Key Benefits

- Iron content – approx. 65–70% Fe
- Moderate impurities
- Effective for scrap blending in steelmaking
- Suitable for some chemical processes
- Economical iron units for furnace charge

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Iron Content (Fe)	Approx. 65 – 70%
Impurities	Moderate
Colour	Black and grey mix (not pure shiny black)
Particle Size	Uneven – mix of powder and small chips
Texture	Slightly dusty and flaky
Moisture	Max. 1.5%

Physical Properties

Property	Specification
Form	Mixed powder and small chips

Colour	Black and grey mix
Texture	Slightly dusty and flaky
Process	Scrap steel + mill scale → melted → new steel
Origin	India

* Typical values; source- and lot-dependent. Test methods available upon request.

Packaging

- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial orders
- 50 kg PP / HDPE woven bags on request
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area to minimise moisture pick-up
- Avoid dust generation; provide adequate ventilation
- Stack bags on level ground; keep away from contaminants
- Handle with appropriate PPE to control dust

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Mill scale is a steel-rolling by-product; chemistry varies by source and lot, and figures are typical ranges. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.