



Product Specification Sheet

Dry Ice (Solid Carbon Dioxide / CO₂) - Retail, Commercial & Industrial Supply

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Status	OFFICIAL CONTROLLED COPY
Classification	Controlled Public Technical Document
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DOCUMENT PURPOSE: Operational product information for Dry Ice Pakistan dry ice forms, pack sizes, typical characteristics, packaging and handling. This is not a Certificate of Analysis (COA), purity certificate or manufacturer Safety Data Sheet (SDS).

DOCUMENT VERIFICATION: This is a controlled Dry Ice Pakistan document. Verify the current revision at the document-specific verification URL shown in this file. Superseded versions should not be relied upon.



1. Product Identification

Product name	Dry Ice / Solid Carbon Dioxide (CO ₂)
Physical form	Pellets / rods
Pellet sizes offered	3 mm, 8 mm and 16 mm
Standard retail/commercial packs	2 kg, 5 kg, 10 kg and 20 kg
Bulk 16 mm supply	Above 20 kg, subject to stock and dispatch confirmation
3 mm industrial supply	Standard industrial MOQ: 200 kg; final availability and commercial rate confirmed before order
Primary supply focus	Karachi, with selected intercity/commercial dispatch arrangements

2. Product Forms & Size References



Pellet size comparison reference



Dry ice pellets / rods



Extrusion process reference

Product and process imagery is presented for Dry Ice Pakistan technical communication and identification purposes.

3. Key Physical Characteristics

Material	Solid carbon dioxide (dry ice)
Surface temperature	Approximately -78.5 C
Phase behaviour	Sublimates directly from solid to CO ₂ gas; no liquid phase under normal handling
Appearance	White solid pellets / rods; visible frost may form during handling
Odour	Odourless
Storage	Insulated, non-airtight / vented container
Ventilation	Required because released CO ₂ can displace breathable air

IMPORTANT: Actual pellet dimensions and surface condition may vary slightly due to production, handling and sublimation. Confirm size, quantity and dispatch timing before industrial use.



4. Typical Applications

Medical & laboratory shipments	Temperature-sensitive medical products, laboratory samples and cold-chain support.
Frozen food / meat / seafood	Cold-chain support for frozen or temperature-sensitive products.
Industrial cooling	Process cooling, shrink fitting and specialized industrial use.
3 mm pellet material supply	For compatible dry-ice cleaning / blasting equipment; Dry Ice Pakistan supplies pellet material only.
Events / fog effects	Low-lying fog and stage applications with appropriate ventilation and safe handling.

5. Packaging & Dispatch



Branded retail/commercial packaging reference



Illustrative insulated cold-chain packaging reference

- Retail/commercial orders are packed in insulated EPS (thermopore) boxes appropriate to order size and route.
- 2 kg and 5 kg city-delivery packs may include a corrugated outer carton; larger packs may use the insulated box with safety identification.
- Packaging must permit safe venting of CO₂ gas. Dry ice must never be sealed in an airtight container.
- Long-distance or specialised shipments should be confirmed against transit duration, packaging requirement and handling conditions.

6. Documentation Status

Dry Ice Pakistan Product Specification Sheet	Available - this controlled document
Dry Ice Pakistan Safety & Handling Guide	Available as a separate controlled document
Manufacturer / supplier SDS	Not currently issued by Dry Ice Pakistan; subject to relevant source-supplier availability
Purity certificate / COA	Not claimed in this document; subject to supplier/batch documentation if available

7. Revision History

Revision	Date	Status	Change Summary
1.0	27 Sep 2026	Official	Initial controlled public issue

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