BNM Group / BNM Petroleum

Technical Reference Sheet

Material	MEG	**Document ID**	TR-ARPC-MEG
Grade	Monoethylene Glycol	**Date Generated**	2026-09-11
Reference Producer	Shazand Petrochemical / ARPC	**Producer Country**	Iran

1. Reference Scope

This Technical Reference Sheet provides technical properties for **MEG**, grade/designation **Monoethylene Glycol**, as referenced from the official producer source cited below. It is intended for commercial pre-qualification and technical comparison only.

Reference Producer: Shazand Petrochemical / ARPC | **Producer Grade:** Monoethylene Glycol

2. Application

Used as a feedstock for polyester fibers, films, and resins (including unsaturated polyester and alkyd resins), and as an antifreeze/coolant additive and solvent component.

3. Technical Properties

Property	Value	Unit	Test Method	Condition	Source Page
Purity	99.8	WT.% MIN.	ASTM E-202	—	not paginated on document
Diethylene Glycol	0.08	WT.% MAX.	ASTM E-202	—	not shown
Water Content	0.08	WT.% MAX.	ASTM E-203	—	not shown
Acidity (as acetic acid)	10	WT. PPM MAX.	ASTM D-1613	—	not shown
Ash	0.005	gr/100ml MAX.	DC-254A	—	not shown
Chlorides	0.1	WT. PPM MAX.	EO-635	—	not shown
Iron	0.1	WT. PPM MAX.	ASTM E-202	—	not shown
Aldehyde (as acetaldehyde)	10	WT. PPM MAX.	DC-163C	—	not shown
Color	5	Pt-Co MAX.	ASTM D-1209	—	not shown
Specific Gravity	1.1151-1.1156	—	ASTM D-891	20/20°C	not shown
IBP	196	°C MIN.	ASTM D-1078	—	not shown
Distillation DP	199	°C MAX.	ASTM D-1078	—	not shown
5-95% Vol Range	1	°C MAX.	ASTM D-1078	—	not shown
UV Transmittance	70	T% MIN.	EO-577A	220 nm	not shown
UV Transmittance	95	T% MIN.	EO-577A	275 nm	not shown
UV Transmittance	99	T% MIN.	EO-577A	350 nm	not shown

4. Processing / Handling Notes

Parameter	Value	Unit	Notes	Source Page
Storage condition	Under nitrogen blanket and at ambient temperature	—	—	not shown
Packing	Bulk or 220-liter drums, 220 kg net weight, 4 drums per pallet	—	—	not shown

5. Commercial / Technical Notes

- DISCREPANCY vs Phase 2B: Phase 2B recorded 'DEG 0.08% max, iron 0.1ppm max' and colour '5 Pt-Co max' consistent with this re-read; this fresh pass additionally captured Chlorides, Aldehyde, IBP/DP/5-95% range and UV Transmittance rows not itemized in the Phase 2B summary -- no contradictions, just a fuller extraction.

7. Source Attribution

Official Source URL	https://arpc-ir.com/downloads/meg.pdf
Source Document Title	Monoethylene Glycol (MEG)
Source Revision	not shown on document
Source Document Date	not shown on document
Source Document Type	Technical Data Sheet (producer PDF)
Source Verified	Yes
Exact Grade Match	Yes

Producer data is cited solely as technical reference information. BNM does not claim manufacturer, agency, distributorship, or endorsement status unless separately stated in a signed commercial agreement.

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