

BNM Group / BNM Petroleum

Technical Reference Sheet

Material	DEG	Document ID	TR-ARPC-DEG
Grade	Diethylene 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 **DEG**, grade/designation **Diethylene 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:** Diethylene Glycol

2. Application

Used in polyurethane and resin synthesis, as an emulsifier/wetting-plasticizing agent, and in coolant, cement-milling, brake-fluid and hydraulic-fluid formulations.

3. Technical Properties

Property	Value	Unit	Test Method	Condition	Source Page
Purity	99.8	WT.% MIN.	ASTM E-202	—	not paginated
Monoethylene Glycol	0.05	WT.% MAX.	ASTM E-202	—	not shown
Triethylene Glycol	0.05	WT.% MAX.	ASTM E-202	—	not shown
Water Content	0.05	WT.% MAX.	ASTM E-202	—	not shown
Acidity (as Acetic Acid)	50	PPM MAX.	ASTM D-1613	—	not shown
Ash Content	50	PPM MAX.	ASTM D-254/A	—	not shown
Specific Gravity	1.1175-1.1195	—	ASTM D-891	20/20°C	not shown
Color	10	Pt-Co MAX.	ASTM D-1209	—	not shown
IBP	242	°C MIN.	ASTM D-1078	Distillation @ 760 mm-Hg	not shown
DP	250	°C MAX.	ASTM D-1078	Distillation @ 760 mm-Hg	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, 4 drums per pallet	—	—	not shown

5. Commercial / Technical Notes

- Consistent with Phase 2B extraction (purity 99.8wt% min, MEG 0.05wt% max, TEG 0.05wt% max, water 0.05wt% max, SG 1.1175-1.1195, colour 10 Pt-Co max) -- no discrepancies found.

7. Source Attribution

Official Source URL	https://arpc-ir.com/downloads/deg.pdf
Source Document Title	Diethylene Glycol (DEG)
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.

8. BNM Disclaimer

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