

TECHNICAL DATA SHEET

Goods description: Methoxy Polyethylene Glycol 500/750/1000 (m)/2000 (m)/3000 (m)

Methoxy polyethylene glycols MPEGs - polymers of ethylene oxide and methanol, represented by the generalized formula $\text{CH}_3\text{O}-(\text{CH}_2-\text{CH}_2-\text{O})_n-\text{H}$, with 'n' indicating the average number of oxyethylene groups.

Chemical name:	Methoxy polyethylene glycols 500/750/1000 (m)/2000 (m)/3000 (m)
Empirical formula:	$\text{CH}_3\text{O}-(\text{CH}_2-\text{CH}_2-\text{O})_n-\text{H}$
Supply form:	Colorless or faintly yellowish, transparent, viscous liquid with weak specific odor.
Packaging:	MPEG 500, 750, 1000 (m), are delivered in bulk, ISO-containers, steel drums or IBC cubes. MPEG 2000 (m), 3000 (m) are delivered in bags, but can also be delivered in molten form upon request.
Shipment:	By all types of transportation means.
Shelf life:	12 months guaranteed (>12 months need approval from producer)
CAS register number:	9004-74-4
HS code:	MPEG 500/750 – 3907201100 MPEG 1000(m)/2000(m)/3000(m)-34042000

PARAMETER	UNIT	SPECS MPEG				
		500	750	1000 (m)	2000(m)	3000(m)
Appearance 23C	-	Solid	Solid	Solid	Solid	Solid
Concentration	%	app.100	app.100	app.100	app.100	app.100
Average molar mass	g/mol	app.500	app.750	app.1000	app.2000	app.3000
Hydroxyl number	mg KOH/g	app.117	app.80	app.55	app.28	app.28
pH-value EN 1262	-	5.5 – 7.5	5.5 – 7.5	5.5 – 7.5	5.5 – 7.5	5.5 – 7.5
Viscosity (50C)	mm ² /s	app.25	app.30	app.50	app.120	app.120
Melting point	C	app.30	app.35	app.40	app.50	app.50
Diol content	%	max 0.5	max 0.5	max 0.5	max 0.5	max 0.5
Water content	%	max 0.1	max 0.1	max 0.1	max 0.1	max 0.1
Color of 25% water solution	Hazen unit	max 20	max 20	max 20	max 20	max 20