

## TECHNICAL DATA SHEET

Goods description: Polyethylene Glycol 1050/1500/2000/3350/4000/6000

Polyethylene glycols, PEGs – are polymers of ethylene oxide with generalized formula HO-(CH<sub>2</sub>-CH<sub>2</sub>)<sub>n</sub>-OH, with 'n' indicating the average number of oxyethylene groups.

**Chemical name:** Polyethylene glycols 1050/1500/2000/3350/4000/6000

**Empirical formula:** HO-(CH<sub>2</sub>-CH<sub>2</sub>-O)<sub>n</sub>-H

**Supply form:** White waxy solids

**Packaging:** Pegs are delivered in flakes packed in paper bags or big-bags

**Shipment:** By all types of transportation means.

**Shelf life:** 12 months guaranteed (>12 months need approval from producer)

**CAS register number:** 25322-68-3

**HS code:** 34042000

PARAMETER	UNIT	SPECS					
		1050	1500	2000	3350	4000	6000
Average molar mass	g/mol	1000-1100	1500	2000	3350	4000	6000
pH of 5 % aqueous solution	-	5.5-7.5	5.5-7.5	5.5-7.5	5.5-7.5	5.5-7.5	5.5-7.5
Kinematic viscosity	mm <sup>2</sup> /s	21-25	26-33	45-60	76-110	76-110	250-380
Hydroxyl number	mg KOH/g	110-120	90-70	70-50	30-36	24-29	17-20
Melting point	C	app. 37	app. 49	app. 52	app. 55	app. 58	app. 60
Water mass content	% m/m	max. 0.5	max. 0.5	max. 0.5	max. 0.5	max. 0.5	max. 0.5
Appearance 23C	-	solid	solid	solid	solid	solid	solid
Concentration	%	app.100	app.100	app.100	app.100	app.100	app.100
Density at 20C	g/cm <sup>3</sup>	app.1.125	app.1.120	app.1.120	app.1.120	app.1.120	app.1.120
Production description	-	wax/flakes/ powder	wax/flakes/ powder	wax/flakes/ powder	wax/flakes/ powder	wax/flakes/ powder	wax/flakes/ powder