

TERATHANE® PTMEG

Product Description

TERATHANE® PTMEG is a family of polyether glycols available in a range of molecular weights. They are liquid or a waxy, white solid that melts to a clear, colorless, viscous liquid over a wide temperature range near room temperature.

Precautions

Before using TERATHANE® PTMEG in any application, the user should review and understand the Safety Data Sheet.

Major Industrial Uses

TERATHANE® PTMEG reacts with isocyanates or organic acids to form a variety of elastomers including polyurethanes, copolyesters and polyamides which are used in numerous end use applications, such as wheels and tires, industrial belts, tank and pipe linings, industrial coatings, fabric and leather coatings, synthetic leather, cable jacketing, hoses and medical tubing, adhesives and sealants, and spandex fiber.

Standard Sales Specifications

Grade	TERATHANE® PTMEG 250	TERATHANE® PTMEG 650	TERATHANE® PTMEG 1000	TERATHANE® PTMEG 1400	TERATHANE® PTMEG 1800	TERATHANE® PTMEG 2000	TERATHANE® PTMEG 2900
Molecular Weight	230-270	625-675	950-1050	1350-1450	1700-1900	1900-2100	2825-2976
Hydroxyl Number, mg KOH/gm	415.6 – 487.8	166.2 - 179.5	106.9 - 118.1	77.4 - 83.1	59.1– 66.0	53.4 - 59.1	37.7 - 39.7
Water, ppm	150 max	150 max	150 max	150 max	150 max	150 max	150 max
Color, APHA	40 max	40 max	40 max	40 max	40 max	40 max	40 max
Alkalinity Number, meq. KOH/kg x 30	-2.0 - 1.0	-2.0 - 1.0	-2.0 - 1.0	-2.0 - 1.0	-2.0 - 1.0	-2.0 - 1.0	-2.0 - 1.0

Physical Data and Properties

Grade	TERATHANE® PTMEG 250	TERATHANE® PTMEG 650	TERATHANE® PTMEG 1000	TERATHANE® PTMEG 1400	TERATHANE® PTMEG 1800	TERATHANE® PTMEG 2000	TERATHANE® PTMEG 2900
Viscosity 40°C (104°F), cP	40 – 80	100 – 200	260 – 320	480 – 700	850 – 1050	950 – 1450	3200-4200
Melting Point °C °F	-5 – 0 23 – 32	11 – 19 52 – 66	25 – 33 77 – 91	27 – 35 81 – 95	27 – 38 81 – 100	28 – 40 82 – 104	30 – 43 86 – 109
Density, 40°C (104°F), g/mL lb/gal	0.98 8.2	0.98 8.2	0.97 8.1	0.97 8.1	0.97 8.1	0.97 8.1	0.97 8.1
Refractive Index, nD25	1.464	1.464	1.464	1.464	1.464	1.464	1.464
Flashpoint, Tag °C, °C °F	> 163 > 325	> 163 > 325	> 163 > 325	> 163 > 325	> 163 > 325	> 163 > 325	> 163 > 325
Peroxide content, ppm as H2O2	< 5	< 5	< 5	< 5	< 5	< 5	< 10

Stabilizer, BHT:

TERATHANE® PTMEG 250, 650, 1000, 1400, 2000: 200 - 350 ppm
 TERATHANE® PTMEG 1800: 150 - 350 ppm
 TERATHANE® PTMEG 2900: 300 - 500 ppm

We invite you to contact us.
For Samples and Information:

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