



Silicone Polyether Products from Dow



Silicone Polyether Products

Product	Polymer Type	Viscosity, cSt	HLB-EO	End Cap
100% Silicone Polyether Products				
XIAMETER™ OFX-3667 Fluid	ABA	350	9.2	OH
DOWSIL™ Q4-3669 Fluid	ABA	310	9.2	OH
DOWSIL™ 5562 Carbinol Fluid	ABA	50	1.8	OH
XIAMETER™ OFX-0190 Fluid	Graft	2000	6.6	OAc
DOWSIL™ OFX-0400 Fluid	Graft	282	6.6	OAc
DOWSIL™ 1248 Fluid	Graft	167	0.0	OH
XIAMETER™ OFX-5098 Fluid	Graft	250	11.7	OAc
VORASURF™ DC 5103 Fluid	Graft	262	10.5	OH
XIAMETER™ OFX-5220 Fluid	Graft	1000	7.4	OAc
DOWSIL™ OFX-5247 Fluid	Graft	2305	6.6	OH
XIAMETER™ OFX-5329 Fluid	Graft	360	6.7	OH
XIAMETER™ OFX-5330 Fluid	Graft	1200	7.1	OAc
DOWSIL™ 5604 Additive	Graft	300	8.5	OH
SYLGARD™ OFX-0309 Fluid	Trisiloxane	28	10.7	OAc
XIAMETER™ OFX-5211 Fluid	Trisiloxane	41	11.5	OH
DOWSIL™ Q2-5212 Superwetting Agent	Trisiloxane	62	13.2	OH
< 100% Silicone Polyether Products				
DOWSIL™ 3225C Formulation Aid	Graft	550	2.0	OH
VORASURF™ TF 5067 Fluid	Graft	22	0.0	OCH ₃
DOWSIL™ 5225C Formulation Aid	Graft	550	2.0	OH
DOWSIL™ 9011 Silicone Elastomer Blend	Graft	20	1.7	OH
DOWSIL™ 5200 Formulation Aid	Terpolymer	2750	2.1	OH

Silicone Polyether (SPE) products from Dow are a series of polyalkylene oxide-modified polydimethylsiloxanes. SPEs from Dow are nonionic surfactants and can be used in aqueous and nonaqueous systems. The special chemical structure of SPEs from Dow provides benefits including:

- Low surface tension
- Excellent wetting
- Good emulsifying/dispersing
- Good compatibility with organic surfactants
- Efficient, low usage level
- Excellent lubricity
- Low toxicity

Due to the unique features of SPEs from Dow, they are widely used in various industries:

- Agrochemical
- Auto care
- Chemical processing
- Mining
- Plastics and rubber
- Oil, gas and petrochemical
- Metal processing

Physical Properties

Product	Surface Tension, dynes/cm			Cloud Point, 1% Solution, °C (°F)	Flash Point, °C (°F)
	0.10%	0.01%	0.001%		
100% Silicone Polyether Products					
XIAMETER™ OFX-3667 Fluid	32.5	37.6	56.4	< RT	67 (153)
DOWSIL™ Q4-3669 Fluid	27.1	37.9	66.5	< RT	67 (153)
XIAMETER™ OFX-0190 Fluid	30.0	33.5	44.9	39 (102)	72 (162)
DOWSIL™ OFX-0400 Fluid	31.9	40.7	62.8	< RT	83 (181)
DOWSIL™ 1248 Fluid	32.0	37.9	44.9	IS	101 (214)
XIAMETER™ OFX-5098 Fluid	29.6	31.9	44.3	59 (138)	90 (194)
VORASURF™ DC 5103 Fluid	27.8	29.7	45.2	50 (122)	80 (176)
XIAMETER™ OFX-5220 Fluid	29.8	34.1	43.7	39 (102)	100 (212)
DOWSIL™ OFX-5247 Fluid	32.1	35.4	44.4	47 (117)	61 (142)
XIAMETER™ OFX-5329 Fluid	34.5	42.9	68.6	< RT	77 (171)
XIAMETER™ OFX-5330 Fluid	27.9	32.5	43.9	35.7 (96)	97 (207)
DOWSIL™ 5604 Additive	30.9	32.3	43.7	51 (124)	108 (226)
SYLGARD™ OFX-0309 Fluid	22.0	23.7	37.6	< RT	100 (212)
XIAMETER™ OFX-5211 Fluid	21.0	23.4	36.5	< RT	101 (214)
DOWSIL™ Q2-5212 Superwetting Agent	22.4	25.9	39.6	57 (135)	101 (214)
< 100% Silicone Polyether Products					
DOWSIL™ 3225C Formulation Aid	27.9	46.2	68.9	IS	60 (140)
VORASURF™ TF 5067 Fluid	25.6	31.9	39.9	IS	43 (109)
DOWSIL™ 5225C Formulation Aid	28.8	45.9	58.0	IS	77 (171)
DOWSIL™ 5200 Formulation Aid	35.6	56.2	70.0	IS	88 (190)

Learn More

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