



PATH Silicones Personal Care Products and Their Physical Properties

Product	INCI Designation	Viscosity @ 25°C	Specific Gravity @ 25C	Flash Point (Closed Cup) °C / °F	Description/Appearance
RS - 1500	Amodimethicone	1,500 cSt	0.97	65 (149)	clear liquid
RS - 900	Simethicone	2,000 cP max	1.01	>100 (212)	grey translucent liquid
RS - 1208	PEG-8 Amodimethicone	750 cSt	1.07	>200 (392)	clear, yellow fluid
RS - AF30	Simethicone	3,000 cP max	1.00	>100 (212)	white emulsion
TBA - 111	Simethicone	1,000 cP max	1.00	>100 (212)	white emulsion
TBF - 190	PEG/PPG 18/18 Dimethicone	2,000 - 4,000 cSt	1.04	>149 (300)	pale yellow fluid, Cloud Point >40C
TBF - 193	PEG 12 Dimethicone	400 cSt	1.07	75 (167)	pale yellow fluid Cloud Point 10°C
TBF - 194	PEG/PPG-4/12 Dimethicone	200 - 400	1.02	85 (185)	pale yellow fluid. Cloud Point 37°C
TBF - 197A	PEG/PPG-20/20 Dimethicone	1,000	1.03	100 (212)	clear resin solution
TBF - 395	Dimethicone (and) Trimethylsiloxysilicate	400 - 1,000 cSt	1.02	>100 (212)	clear resin solution
TBF - 504	Cyclotetrasiloxane	2.4 cSt	0.954	55 (131)	clear, colorless fluid
TBF - 505	Cyclopentasiloxane	4.0 cSt	0.955	76 (169)	clear, colorless fluid
TBF - 506	Cyclotetrasiloxane (and) Cyclopentasiloxane	2.5 cST	0.954	57 (135)	clear, colorless fluid
TBF - 509	Cyclopentasiloxane (and) Cyclohexasiloxane	5.0 cSt	0.96	74 (165)	clear, colorless fluid
TBF - 677	Phenyl Trimethicone	30 cSt	0.99	140 (284)	clear liquid, RI = 1.46
TBF - 77	PEG 8 Dimethicone	40 - 90 cSt	1.02	>100 (212)	clear to hazy fluid
TBF9 - (0.65)	Disiloxane	0.65 cSt	0.76	-3 (27)	clear, colorless fluid
TBF9 - 1.0	Trisiloxane	1.0 cSt	0.82	30 (86)	clear, colorless fluid
TBF9 - 1.5	Dimethicone	1.5 cSt	0.85	57 (135)	clear, colorless fluid
TBF9 - 5	Dimethicone	5 cSt	0.916	135 (275)	clear, colorless fluid
TBF9 - 6	Dimethicone	6 cSt	0.918	140 (284)	clear, colorless fluid
TBF9 - 10	Dimethicone	10 cSt	0.935	160 (320)	clear, colorless fluid
TBF9 - 20	Dimethicone	20 cSt	0.953	>204 (399)	clear, colorless fluid
TBF9 - (50 to 1,000)	Dimethicone	50 - 1,000 cSt	0.963 - 0.974	>204 (399)	clear, colorless fluid
TBF9 - (5,000 to 60,000)	Dimethicone	5,000 - 60,000 cSt	0.975 - 0.977	>204 (399)	clear, colorless fluid
TBF9 - 100,000	Dimethicone	100,000 cSt	0.978	>204 (399)	clear, colorless fluid
TBF9 - 300,000	Dimethicone	300,000 cSt	0.979	>204 (399)	clear gum

TBF - MH	Methicone	20 cSt	1.000	100 (212)	clear liquid
TBF - 1403	Dimethicone (and) Dimethiconol	4,000 cSt	0.980	135 (275)	clear, colorless fluid
TBF - 1428	Dimethicone	400,000 cSt	0.970	>326 (619)	clear, colorless fluid
TBF - 1503	Dimethicone (and) Dimethiconol	2,000	0.98	109 (228)	clear, colorless fluid
TBF - 2502	Cetyl Dimethicone	50 cSt	0.855	>93 (200)	clear, light amber liquid @ above 77F
TBF - 2509	Bis-PEG-18 Methyl Ether Dimethyl Silane	Solid wax	1.04	>100 (212)	white to slightly yellow wax
TBF - 2518	Stearyl Dimethicone	Solid wax	0.85	>100 (212)	white wax
TBF - 2530	C30-45 Alkyl Methicone and 30-45 Olefin	Solid wax	0.80	> 93 (200)	white flakes
TBF - 2580	Trimethylsiloxystearate (and) Stearyl Alcohol	Solid wax	0.89	227 (440)	off-white soft solid, melting @ 45C
TBF - 7608	Cetyl PEG/PPG 10/1 Dimethicone	900 cSt	0.93	239 (462)	clear, light amber liquid
TBF - 8015A	Cyclomethicone (and) Dimethicone/ Vinylmethicone Crosspolymer	30,000 - 60,000 cP	0.96	76 (169)	transparent gel
TBF - 8090	Cyclomethicone (and) Dimethicone Crosspolymer	250,000 - 600,000 cP	0.98	76 (169)	translucent gel
TBF - 8093	Cyclomethicone (and) Dimethicone/ Vinylmethicone Crosspolymer	250,000 - 600,000 cP	0.98	76 (169)	transparent gel
TBS - 8008	Isododecane (and) Dimethicone/Vinylmethicone Crosspolymer	350,000 - 650,000 cP	0.80	43 (109)	translucent gel
TBF-9011	Cyclopentasiloxane and Cetyl PEG/PPG-10/1 Dimethicone Crosspolymer	100	0.96	77 (170)	translucent low visc. liquid
TBS - 198	PEG/PPG 20/6 Dimethicone	200	1.02	>65 (149)	colorless to light amber liquid
TBS - 311	Trimethylsiloxysilicate (and) Cyclomethicone	140 cSt	1.05	76 (169)	clear resin-pentamer solution
TBS - 1214	Cyclopentasiloxane (and) Dimethicone	4,000 - 8,000 cSt	0.95	82 (180)	clear, colorless fluid
TBS - 1214 - 10	Cyclopentasiloxane (and) Dimethicone	5,000 cSt max	0.95	57 (135)	clear, colorless fluid
TBS - 1401	Cyclomethicone (and) Dimethiconol	5,000 cSt	0.96	55 (131)	clear, colorless fluid
TBS - 1404	Cyclopentasiloxane (and) Dimethiconol	8,000 cSt	0.96	77 (170)	clear, colorless fluid
TBS - 1501	Cyclopentasiloxane (and) Dimethiconol	6,000 cSt	0.96	77 (170)	clear, colorless fluid
TBS - 3322	Cyclomethicone (and) Cetyl PEG/PPG 10/1 Dimethicone	8 - 10 cSt	0.96	77 (171)	clear to slightly hazy fluid
TBM - 400M	Dimethiconol (and) TEA-Dodecylbenzenesulfonate	500 cP max	0.99	>100 (212)	white emulsion
TBM - 2059B	Amodimethicone (and) Trideceth-12 (and) Cetrimonium Chloride	<100 cP	1.00	>93 (200)	grey translucent liquid
TBM - 2000M	Dimethiconol (and) TEA-Dodecylbenzenesulfonate	20 cSt	0.99	>100 (212)	white, water thin liquid