

**Today's increased production rates and modified equipment designs constantly stress the gear boxes of extruders and other processing equipment.**

Duratherm Synthetic Gear Lubricants are premium, synthetic, long life lubricants engineered with our proprietary additive system to protect from the harshest of conditions.

Using a friction modified base we formulated our gear lubes specifically for the demanding environment of plastic and other severe manufacturing processes. Additives to protect against high heat oxidation, wear and friction reducers, foam control with air release as well as water separators are all incorporated to produce an extended life gear lubricant.

Our proprietary blend ensures resistance to heavy mechanical shear even under heavily loaded gear boxes by maintaining consistent viscosities and superior film strength which helps keep metal surfaces separated.

Air release technology keeps systems cooler and cleaner. As air bubbles form, anti-foam agents break them down which keep operating temperatures low. With lower temperatures there's less pressure buildup and acid formation, seals also remain pliable and last longer.

Use of Duratherm Gear Lubricants ensures lower maintenance and fluid costs with longer service cycles. Downtime is also reduced as is varnish and sludge formations typical of basic mineral lubricants.

Properties	DGL 68	DGL 100	DGL 150	DGL 220	DGL 320	DGL 460	DGL 680
Viscosity Index	119	121	145	171	190	199	205
Vis cSt @ 40 °C	68.0	106.2	138.5	200.1	290.0	415.0	650
Vis cSt @ 100 °C	9.5	13.2	18.0	27.0	39.5	54.5	78.8
Flash Point °F	440	510	510	515	517	527	555
Auto-Ignition Point °F	745	798	839	842	839	845	852
Pour Point °F	-40	-35	-35	-35	-20	-15	-15
Timken "OK" Load Kg	35	40	40	40	40	40	40
Copper Corrosion, 24 Hr	1b	1b	1b	1b	1b	1b	1b
Demulsibility, 130 °F, 30 min	40/39/1	40/39/1	40/38/2	40/38/2	40/38/2	40/37/3	40/36/4