



GRAPHACE PL 80 G[®]

GRAPHITE PELLET PLUNGER LUBRICANT

TO A BRIGHTER FUTURE

Graphace PL 80 G[®] is a graphite based dry lubricant in pellet form. It is manufactured using gas-treated, macro-crystalline natural graphite of highest purity, and is able to withstand temperatures in excess of 1100°C for short periods. Its lubricating qualities under high pressure and temperature surpass all known substances, and as a result significantly reduces friction between the plunger and the sleeve.

The pellets are available in size ranging from 0.5 to 3 mm in diameter. They are free-flowing, non-sticky, and dust free.

GENERAL PROPERTIES

Appearance :	Black, generally round with smooth surface
Congealing Point :	> 120°C
Ave. Pellet Diameter :	0.5 - 3 mm
Bulk Density :	0.65 - 0.75 g / cu.cm at 20°C
Ecological Classification : (WGK)	0 (not harmful to environment)

COMPOSITION

Wax and graphite

METHOD OF USE

The **Graphace PL 80 G[®]** range of pellets can be used in all types of pellet dispensers. They are also suitable for lubrication of the plungers of vertical high pressure die casting machines. The product has shown particular benefit on machines exceeding 1000 ton due to high pressure.

The amount of pellets required depends primary on the diameter and temperature of the plunger. Actual quantities therefore, can differ quite substantially, and should be determined through experimentation.

Diameter of Plunger	Recommended usage	
	Min.	Max.
< 70 mm	0.6 g	1.2 g
70 mm	0.9 g	1.8 g
80 mm	2.4 g	3.3 g
90 mm	2.7 g	3.6 g
100 mm	3.0 g	4.2 g
110 mm	4.2 g	6.0 g
> 110 mm	4.8 g	9.0 g

STORAGE

Keep in cool place and avoid direct sunlight, seal tightly after use to keep from contamination.

HEALTH AND SAFETY

Graphace PL 80 WS[®] has no adverse effect on health when used properly and for the designed application. Beyond normal hygiene, no special precautions are required. Further reference is made to the Material Health and Safety Sheet

PACKING

13 kg / Pail.