



## Product Description:

**GAZ-GF02** is a versatile bearing grease for the food machining and processing industry manufactured to meet HX1 specification for use where there is potential for incidental contact with food. The calcium complex thickener provides the highest degree of EP and anti-wear properties available in a food grade product with excellent pump ability and water washout resistance. In addition it is fortified with synthetic oils, polymers, rust, corrosion, and oxidation inhibitors. It is designed to be true multipurpose grease that is excellent for heavily loaded plain to lightly load high speed anti-friction bearings operating under normal or adverse conditions. The Calcium Complex thickener provides a tacky, long life,

cohesive grease with a 65 pound Timken OK load. **GAZ-GF02** is formulated with high viscosity index white mineral and synthetic base oils with a structurally modified thickener that resists pound out and water washout under extreme conditions.

## Applications / Features:

- Used for the lubricating of all types of grease lubricated bearings commonly found in canneries, beverage bottling plants, potato chip plants, poultry processing plants, meat processing plants and other food processing plants.
- Complies with Food and Drug Administration (FDA) Federal Regulation 178.3620 and classified under USDA as an H-1 lubricant where incidental food contact might occur.
- Multi-purpose food machinery greases for many applications – thus reduced inventory.
- High temperature protection and Excellent rust protection.
- Virtually no oil separation.
- Adhesive tacky grease that stays in place.
- Compatible with aluminum, calcium 12-hydroxy and lithium complex grease.
- Resists pound out and water washout under extreme conditions.

## Typical Properties:

TABLE 1: Typical Base Oil Properties For GAZ – GF02			
Property	Test Method		Base Oil
<b>Kinematic Viscosity</b> @ 100 °C (212°F) @ 40 °C (104°F)	ASTM D 445	cSt	21 202
Viscosity Index	ASTM D 2270		124
Pour Point	ASTM D 97	°C(°F)	-10(5)
Evaporation @ 250°C(482°F)	Noack	% Loss	3.2

TABLE 2: Typical Grease Properties For GAZ – GF02			
Property	Test Method	Units	GAZ – GF02
Grade	NLGI	-	2
Penetration @25°(77°F)	ASTM D-1403	mm-1	
Unworked			275
Worked 60 Strokes			276
Worked 100,000 Strokes			274
Four-Ball Wear Scar (1 hour , 1200 RPM 75°C, (167°) @ 40kg. Load)	ASTM D-2266	mm	0.41
Dropping Point	ASTM D-2265	°C(°F)	625+
Four-Ball Extreme Pressure	ASTM D-2596	Kg.	500
Weld Point			
Rust Prevention	ASTM D-1743		Pass
Color	-	-	White
Appearance	-	-	Smooth
Oil Separation, WT.%	-	-	1.7
Water Washout @175°F	ASTM D-1264	% Loss	< 3.0