

# Alfasynth Gear

## 68/150/220/320

### Product Description

ALFASYNTH GEAR series are 100% synthetic premium quality, heavy duty industrial gear lubricants, formulated from specially selected poly-alpha-olefins and selected additives. They are specially suitable for gear and bearing applications operating at high temperatures and heavy and/or shock loads.

### Performance Features

- Excellent load carrying capacity
- Rust and corrosion protection
- Excellent chemical stability and anti-wear properties
- Prolonged service life in comparison with mineral oils
- Excellent oxidation and thermal stability at high temperatures, which reduce deposit formation
- Excellent sheet stability due to their high viscosity index
- Fully compatible with sealing materials used in equipment normally lubricated with conventional mineral oils

### Application

ALFASYNTH GEAR series is recommended to be used in industrial closed gear sets working under heavy sock loads and low temperatures, conditions found in paper mills, cement manufacturing plants and in steel manufacture. It is also suitable for enclosed gear drives with both circulating and splash systems working under all server conditions.

ALFASYNTH GEAR series meets or exceeds the following specifications:

**DIN 51517 Teil III, AGMA 250.04, US STEEL 224, DAVID BROWN ET 33/80**

### Typical Properties:

ISO grade	68	150	220	320	Method
Specific gravity at 20°C, Kg/l	0.842	0.842	0.842	0.844	ASTM D-1298
Viscosity, Kinematic at 40°C, cSt	68	150	220	320	ASTM D-445
Viscosity Index	148	158	157	156	ASTM D-2270
Pour Point, °C	-45	-48	-45	-45	ASTM D-97
Flash Point COC, °C	240	234	240	240	ASTM D-92

**Note:**

The above information is indicative based on current production and does not constitute a specification. Results can be affected by allowable production tolerances, not affecting performance.