



Food Grade



MAKER FG GEAR SYNTH

Description

MAKER FG GEAR SYNTH is a 100% synthetic fluid formulated using non-toxic polyalphaolefins (PAO) and a selection of safe additives which give the oil excellent properties for use in gears. All of the substances used to formulate these lubricants are registered with the FOOD and DRUGS ADMINISTRATION (FDA).

This product is registered by the NSF as an H1 lubricant that may come into incidental contact with food products).

Properties

- Excellent anti-foaming properties.
- Very good response to mechanical and thermal shear.
- Excellent performance in load-bearing operations.
- Excellent oxidative stability.
- Great anti-rust and anti-wear properties.
- Very low friction coefficients.
- MOAHs free (Mineral Oil Aromatic Hydrocarbon).

Quality levels, approvals and recommendations

- DIN 51517/3 - CLP
- Halal Certified*
- ISO 6743/6-CKS
- NSF H1*
- *Formal approval



Safety data sheets are available at: <https://lubricants.repsol.com/en/>
Lubricant Technical File RP_7136L, RP_7136M, RP_7136N, RP_7136Q

March 2025



188687-SP-4202



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Technical specifications

	UNIT	METHOD	VALUE			
NSF registration number H1			155056	155057	155058	155059
ISO Viscosity Grade			150	220	320	460
Density at 15 °C	g/cm3	ASTM D4052	0.841	0.844	0.844	0.845
Kinematic viscosity at 40 °C	cSt	ASTM D445	147	222	323	450
Kinematic viscosity at 100 °C	cSt	ASTM D445	21.4	28.2	36.9	47.5
Viscosity index	-	ASTM D2270	160	160	160	160
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1 a	1 a	1 a	1 a
Flash point, open cup	°C	ASTM D92	240	240	240	250
FZG (A/2,8/50): Failure load stage	-	ISO 14635	>12	>12	>12	>12
Pour point	°C	ASTM D97	-46	-43	-42	-40

The above mentioned characteristics are typical values and should not be considered product specifications.



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