

## MOLYguard MOLYGREASE GA - AV

MOLYguard MOLYGREASE GA-AV is a range of greases consisting of a medium viscosity and very low pour point fully synthetic PAO based oil, thickened with a high drop point alluminium complex soap; it also contains antioxidant, anticorrosive, anti-friction and adhesive additives which enhance the properties both at starting and while using.

The greases MOLYguard MOLYGREASE GA-AV possess an excellent resistance to the water washout and to the high temperatures; they are also characterized by excellent thermal and meccanical stability.

The raw materials comply with the requirements of U.S. FDA, and the products are registered by NSF class H1 (greases suitable for incidental contact with food). The wide range of the consistencies (NLGI 00, 0, 1, 2) makes them multi-use, because they are used for the lubrication in various processes in the food industry (for bearings, gears, centrilized systems). In addition, thanks to its chemicalphysical properties these greases can be used for long-life operations both at high temperatures (ovens) and at low temperatures (fridges) and in the presence of strong leaching.

They are very resistant to heat and maintain their excellent lubricating properties in a temperature range that goes from -  $45^{\circ}$  to +190° (210° for short periods).

They are used in various applications, in particular where there is a risk of incidental contact with food.



## MOLYguard MOLYGREASE GA - AV are registered NSF group H<sub>1</sub>.

PHYSICAL CHARACTERISTICS						
	METHOD	UNIT OF MEASURE	GA-AV 00	GA-AV 0	GA-AV 1	GA-AV 2
NSF Registration number			146934	146935	146936	146937
Colour		Visual	White	White	White	White
NLGI consistency	ASTM D 217		00	0	1	2
Specific gravity at 15℃	ASTM D 1298	Kg/dm <sup>3</sup>	0,900	0,900	0,900	0,900
Worked penetration at 25℃	ASTM D 217	1/10 mm	400-4 30	355-385	310-340	265-295
Flash Point of the base oil COC	ASTM D 92	Ç	>200	>200	>200	>200
Drop point	ASTM D 566	Ç	270	270	270	270
Viscosity of the base oil at 40℃	ASTM D 445	mm ²/s	220	220	220	220
Viscosity Index of the base oil	ASTM D 2270		150	150	150	150
Anticorrosion test	ASTM D 1743	mm/min	Passes	Passes	Passes	Passes
Oxidation stability	ASTM D 942	PSI	-2	-2	-2	-2
(pressure drop)			<0	<3	<0	<3
4 ball wear scar test	ASRM D 2266	mm	0,4	0,4	0,4	0,4
Washout at 79℃	DIN 51807	С С	P.2 dinamic 80°C phase 1			

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