

No. 555 WHITE FOOD MACHINERY GREASE



USDA Category H1
NSF Registration No. 136672

No. 555 White Food Machinery Grease protects lubricated surfaces against wear under the most severe conditions.

All ingredients in **No. 555 White Food Machinery Grease** are listed substances generally recognized as safe (GRAS) or substances used in accordance with the provisions of a prior sanction or approval permitted under Food and Drug Administration (FDA) Regulation 21 CFR 178.3570. "Lubricants With Incidental Food Contact."

No. 555 White Food Machinery Grease contains sodium benzoate for product stability.

When used in accordance with FDA's good manufacturing practices (GMP), **No. 555 White Food Machinery Grease** also meets the criteria for U.S. Department of Agriculture 7 CFR 205.600 National Organic Program.

No. 555 White Food Machinery Grease seals out moisture and contaminants and resists pounding-out or sling-off, so parts are protected and extended greasing intervals are maintained.

No. 555 White Food Machinery Grease additive technology provides the benefits of:

Anti-Wear Protection - forms a layer of chemical protection between metal surfaces, to reduce friction and wear.

Extreme Pressure Protection - eliminates the welding and scoring associated with severe shock loading to extend equipment life.

Rust and Corrosion Inhibitors - protect metal surfaces from harmful effects of water, acidity, and other contaminants.

Oxidation Inhibitors - extend lubricant life to reduce downtime, allowing for maximum equipment utilization.

Water Resistance - protects against the harmful dilution and corrosive effects of water and water washout.

Adhesive/Cohesive - **TK-5®** provides adhesive and cohesive properties at just the right amount to allow use in high-speed anti-friction bearing applications. This eliminates sling-off and pound-out under heavy loads.

No. 555 White Food Machinery Grease does NOT contain any ingredient with the following allergenic, sensitizing components or allergenic proteins or substances listed in the table below:

Animal Products including Enzymes, Fats or Proteins	Genetically Modified Organisms (GMO)
Eggs	Fish
Peanuts	Soybeans and Products Thereof
Sulfites	Dairy/derivatives
Wheat	Tree Nuts
Gluten (wheat, rye, barley, oats, spelt, kamut)	Shellfish/Crustaceans/Mollusks
Sesame and Products Thereof	Lupine
Mustard and Products Thereof	Celery
Carmine/Cochineal	BHA, butylated hydroxyanisole
MSG, monosodium glutamate	BHT, butylated hydroxytoluene
TBHQ, tertiary butylhydroquinone	Hydrolyzed Vegetable Protein (HVP)
Autolyzed Yeast	Artificial Flavors
FD&C Color	Saccharin

TYPICAL APPLICATIONS INCLUDE:

All types of plain bearings, anti-friction bearings, and sliding surfaces where there can be incidental contact with food, or where non-staining grease is required.

Anti-friction Bearings	Automatic Lubricators	Plain Bearings	Sliding Surfaces
Pins and Bushings	Couplings	Small Open Gears	Electric Motor Bearings
Mixers	Sifters	Conveyors	Pumps
Blenders	Filling Machines	Fan Bearings	Conveyors
Packaging Machinery	Slicers	Wrappers	Bottle Washers

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TEST DESCRIPTION	ASTM NO.	TYPICAL PROPERTIES			
		00	0	1	2
NLGI Grade		00	0	1	2
Penetration worked 77°F (25°C)	D217	420	365	320	280
Thickener Type		Aluminum Complex	Aluminum Complex	Aluminum Complex	Aluminum Complex
Base Oil Kinematic Viscosity cSt @ 40° C cSt @ 100°C	D445	118 13.2	118 13.2	118 13.2	118 13.2
Base Oil Viscosity Index	D2270	106	106	106	106
Dropping Point °F (°C)	D2265	Not Determined	Not Determined	475 (246)	500 (260)
Volatile Organic Compounds, %wt 81°C @ 110 minutes	E1868-10	0.90	0.91	0.87	0.97
Density, lb/gal (G/cc) @ 60°F (15.5°C)		7.33 (0.875)	7.33 (0.875)	7.34 (0.881)	7.50 (0.90)
Copper Corrosion, (3 hr @100°C)	D4048	1a	1a	1a	1a
Rust Test, 24 hr @ 140°F (60°C) A. Distilled Water B. Synthetic Sea Water	D665	Pass Pass	Pass Pass	Pass Pass	Pass Pass
Operating Range°F °C		-20 to 450 -29 to 232	-20 to 450 -29 to 232	-20 to 450 -29 to 232	-20 to 450 -29 to 232
Four Ball Wear, Scar Width, mm 1200 rpm @ 167°F (75°C) 40 Kg, 60 minutes	D4172	Not Determined	Not Determined	0.54	0.54
Water Wash-out, % Loss, max. 600 rpm @175 °F (79.4°C) for 1 hr	D1264	Not Determined	Not Determined	3.0	3.0
Oxidation Resistance 100 hours, % PSI Loss, max	D942	Not Determined	Not Determined	3.0	3.0
Lincoln Ventmeter Test, 72°F, psi 30°F, psi 0°F, psi		100 150 350	150 200 425	225 350 700	600 900 1450
Texture		Tacky	Tacky	Tacky	Tacky
Color		Creamy White	Creamy White	Creamy White	Creamy White

WARRANTY:

When properly stored and used in accordance with instructions, any material not satisfactory will be replaced with any product in our line on a dollar for dollar basis provided the account is paid in full when due and Hydrotex is notified in writing within 12 months of the date of the order by the customer.

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