

HYDRO-SYN 70 HYDROSYNTHETIC® LUBRICATING GREASE

Hydro-Syn 70 is designed to provide long lasting protection beyond the capability of conventional greases. Use where bearings operate under conditions of high heat, high speed, vibration, moisture, and heavy loads **Hydro-Syn 70** resists pound-out, water washout and provides exceptional performance under the most extreme operating conditions.

TYPICAL APPLICATIONS INCLUDE:

Disk Brake Wheel Bearings	Chassis Points	Plain Bearings	Fifth Wheels
Anti-friction Bearings	Electric Motor Bearings	King Pins	Pumps
Pins and Bushings	Fan Bearings	Sliding Surfaces	Conveyors
Couplings	Automatic Lubricators	Gear Motors	Soot Blowers

PRODUCT ATTRIBUTE	TEST METHOD	TYPICAL PROPERTIES		
Color		Purple		
Thickener Type		Lithium Complex		
NLGI Grade	ASTM D217	2	1	0
Worked Penetration, 1/10th mm	ASTM D217	285	320	365
Mechanical Stability, % change from worked penetration after 100K strokes	ASTM D217	7	2	1
Density, kg/l @ 15.5°C		0.899	0.911	0.876
Base Oil Viscosity, cSt @ 40°C	ASTM D445	280	280	280
Base Oil Viscosity, cSt @ 100°C	ASTM D445	27	27	27
Base Oil Viscosity Index	ASTM D2270	127	127	127
Dropping Point, °F (°C)	ASTM D2265	579 (304)	572 (300)	473 (245)
PDSC Oxidation Induction Time, min @ 185°C and 500 psi O₂	ASTM D5483	120+	120+	120+
4-Ball EP, Weld Point, kgf	ASTM D2596	500	500	400
4-Ball EP, Load Wear Index	ASTM D2596	69.6	--	--
4-Ball Wear, scar diameter, mm	ASTM D2266	0.62	0.59	0.58
Copper Corrosion, 24hr @ 100°C	ASTM D4048	1a	1a	1a
Rust Test, Distilled Water	ASTM D1743	Pass	Pass	Pass
Rust Test, Synthetic Sea Water	ASTM D5969	Pass	Pass	Pass
Water Wash-Out, % Loss @ 175 °F	ASTM D1264	1.2	1.6	--
Lincoln Ventmeter Test, psi @ 72°F	OEM Method	300	150	125
Lincoln Ventmeter Test, psi @ 30°F	OEM Method	350	175	150
Lincoln Ventmeter Test, psi @ 0°F	OEM Method	1000	575	550

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.

Hydrotex® is a manufacturer and distributor of high performance lubricant and fuel improver solutions. As an employee owned company, we help our customers develop sustainable solutions designed to improve system reliability, save energy, limit pollution, extend fixed asset life, reduce maintenance costs and improve fuel efficiency. Our products and services leverage over 75 years of innovation resulting in superior lubrication solutions and high touch customer service.