

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
Worked Penetration , 1/10 th mm	ASTM D217	285	320
Mechanical Stability , % change from worked penetration after 100K strokes	ASTM D217	7	2
Density , kg/l @ 15.5°C		0.891	0.882
Base Oil Viscosity , cSt @ 40°C	ASTM D445	320	320
Base Oil Viscosity , cSt @ 100°C	ASTM D445	32.9	32.9
Base Oil Viscosity Index	ASTM D2270	144	144
Dropping Point , °F (°C)	ASTM D2265	579 (304)	572 (300)
PDSC Oxidation Induction Time , min @ 185°C and 500 psi O ₂	ASTM D5483	120+	120+
4-Ball EP, Weld Point , kgf	ASTM D2596	620	620
4-Ball EP, Load Wear Index	ASTM D2596	95	--
4-Ball Wear , scar diameter, mm	ASTM D2266	0.37	0.37
Copper Corrosion , 24hr @ 100°C	ASTM D4048	1a	1a
Rust Test , Distilled Water	ASTM D1743	Pass	Pass
Rust Test , Synthetic Sea Water	ASTM D5969	Pass	Pass
Water Wash-Out , % Loss @175 °F	ASTM D1264	1.2	1.6
Tackiness Index , Work/Elongation	Hydrotex	15/20	9/28

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 80 years of innovation resulting in superior lubrication solutions and high touch customer service.