

SYNTHETIC SLOW MELTING GREASE

XL-0700 is a synthetic hybrid calcium sulphonate / inorganic soap grease, that demonstrates exceptional mechanical stability and resistance to both continuous high and extreme low temperatures (-60 to 260°C).

XL-0700 is fully formulated with the latest in EP additive technology and functions very well under high loads. The unique thickening structure virtually eliminates water washout, resists oxidation and inhibits corrosion.

TYPICAL APPLICATIONS:

- Bearings exposed to high temperatures
- Bearings exposed to low temperatures
- Bearings exposed to water (such as wet end of paper machine)
- Calendar rolls
- Heavy machinery
- Gear boxes requiring greases
- Roller bearings
- Industrial equipment in an adverse environment or under heavy load
- Bearing operating at low or high rpm
- Electric motors
- Rotary joints
- Crusher bearings
- Fifth Wheel

TYPICAL SPECIFICATIONS

Product Code: XL-0700	/015	/002	/046	/402	/802
N.L.G.I. Grade:	1.5	2	2	2	2
Penetration (after 60 strokes) @ 25°C (ASTM D-217)	303	275	275	280	285
Dropping Point (°C) (ASTM D-2265)	300	300	300	>300	300
Timken OK Load (kg) (ASTM D-2509)	27	27	-	-	-
Oil Separation (24hrs @ 25°C) (ASTM D-1742)	0.1%	0.1%	0.1%	0.17%	0.1%
Temperature Range (°C)	-60 to 250	-60 to 250	-42 to 260	-28 to 265	-60 to 250
Minimum Dispensing Temperature (°C)	-60	-40	n/a	-15	-35
Base Oil Viscosity (cSt @ 40°C) (ASTM D-445)	98	98	43.8	475	15
(cSt @ 100°C) (ASTM D-445)	11.3	11.3	7.1	38.5	3.5
Additives	EP, AW, R&O, MoS ₂				
Roll Stability Penetration (ASTM D-1831)	+19	+19	+19	+19	+19
4 Ball Wear Test, m/m scar, 40kg, 1200rpm, 75°C, 1 h (ASTM D-2266)	0.32	0.32	0.39	0.36	0.32
4 Ball EP Test, LWI (kg) (ASTM D-2596)	500	500	500	500	500
Rust Test (48hrs @ 52°C) (ASTM D-1743)	1,1,1	1,1,1	1,1,1	1,1,1	1,1,1
Water Washout @ 79°C (% loss) (ASTM D-1264)	2.75	2.5	2.5	2.75	2.75
Oxidation Stability (ASTM D-942) @ 100 hrs				0 PSI	
@ 500 hrs				2 PSI	
@ 1,000 hrs				9 PSI	



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