

100% SYNTHETIC HIGH TEMPERATURE PAO GREASE WITH GRAPHITE

XL-0775 is a 100% synthetic graphite-based grease engineered to perform in critical high-temperature applications including ovens, kilns, slide ways etc.

XL-0775 features exceptionally low volatility due to the high molecular-weight olefin polymer base stock. As the ambient temperature increases, this olefin will evaporate slowly leaving a layer of pure highly refined graphite residue on the metallic surfaces thus preventing metal-to-metal contact.

XL-0775 can be used in constant temperatures of 400°C / 750°F at which time the base stock will volatilize at an accelerated rate. The graphite residue will withstand temperatures of more than 1200°C / 2200°F with negligible degradation.

XL-0775 is highly thixotropic and is an excellent grease for high load and low rpm bearings. Precautions must be taken not to over-lubricate bearings, and regular inspections must be performed to determine re-lubrication cycles.

XL-0775 is formulated with high polymer base stocks, which result in exceptionally low volatility at higher temperatures, as depicted in the chart below:

72 hrs	@ 200°C	1% Volatized
72 hrs	@ 250°C	4% Volatized
72 hrs	@ 300°C	12% Volatized
72 hrs	@ 350°C	28% Volatized
72 hrs	@ 400°C	70% Volatized

XL-0775 characteristics

- Exceptionally high thermal stability
- Non melting
- Non dripping
- Non carbonizing
- Waterproof



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TYPICAL SPECIFICATIONS

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Product Code: XL-0775	/002
N.L.G.I. Grade:	2
Penetration @ 25°C (ASTM D-217)	219
After 60 strokes	235
After 10,000 strokes	252
After 60,000 strokes	255
Dropping Point (°C) (ASTM D-2265)	None
Melting Point (°C)	None
Copper Strip Test (163°C for 3 hours) (ASTM D-4048)	Negative
Texture	Smooth, Tacky
Colour	Black
Timken OK Load (kg) (ASTM D-2509)	22
Type of thickener	Silica
Oil Separation (24hrs @ 25°C) (ASTM D-1742)	1% maximum
Additives	Graphite
Temperature Range (°C)	-17 to 400
Minimum Dispensing Temperature (°C)	-10
Maximum Intermittent Temperature (°C)	1200
WHMIS Classification	Not Controlled



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The information presented in this bulletin is, to the best of our knowledge, accurate. It is intended to be helpful, and is not to be considered a guarantee.

