

Grease for Tire Mold Lubrication

Product Information

Krytox™ TM7 grease is specifically designed for the lubrication of segmented molds, both electrically and steam-heated, in the vulcanization process of rubber tire manufacturing. This lubricant eliminates carbon residue buildup on the molds associated with hydrocarbon and hydrocarbon-based synthetic greases. Krytox™ TM7 exhibits excellent adhesion, allowing the operator to significantly increase production by extending lubrication intervals. Krytox™ TM7 has been proven to last in excess of 5,000 cycles, based on average curing times, without re-lubrication.

Krytox™ TM7 grease is a fluorinated grease with polytetrafluorethylene (PTFE) thickener and selected additives. It has excellent thermal stability and load-carrying abilities. Krytox™ TM7 has a high degree of chemical inertness and extremely high hydrolytic stability. Contact with boiling water or steam has no effect.

Typical Properties*	Krytox™ TM7
Standard NLGI Grade	2
Estimated Useful Temperature Range, °C (°F)	-20 to 290 (-4 to 555)
Pour Point, °C (°F)	-25 (-13)
Base Oil Viscosity, cSt	
20 °C (68 °F)	1,715
40 °C (104 °F)	500
100 °C (212 °F)	46
Oil Volatility, % in 22 hr, 260 °C (500 °F), D972 Modified	<1
Appearance	White, Creamy Consistency
Specific Gravity	2.0

*These values are typical properties and not product specifications.

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For product information, industry applications, technical assistance, or global distributor contacts, visit krytox.com or within the U.S. and Canada, call 1-844-773-CHEM/2436 or outside of the U.S., call 1-302-773-1000.

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