

Strilube®5151R is synergistic additives blend specially developed for greases. The unique composition helps grease formulators to enhance the properties of the base grease in Antiwear, Extreme Pressure, Corrosion Inhibition, and Oxidation stability.

**Physio-chemical properties:**

Tests	Test Method	Results
Appearance	Visual	Amber liquid
Density at 29.5°C	ASTM D-1298	1.05 g/ml
Kinematic Viscosity at 40°C	ASTM D-445	200 (Typical)
Flash Point	ASTM D-92	>150°C
Zinc Content	ICP-AES	5.1%
Sulfur Content	ICP-AES	15%
Phosphorus Content	ICP-AES	4.5%

**Application:** Antiwear, Extreme Pressure & Rust Inhibitor additive package for Simple Lithium, Lithium Complex.

**Typical Treat Rate:** 2-3% by weight

**Performance data in Simple Lithium base Grease**

	Li Base Grease	Li Base Grease + 2% STRILUBE®5151R	Li Base Grease + 3% STRILUBE®5151R
Penetration (Unworked)	271	271	273
Penetration (60 strokes) ASTM D-217[0.1mm]	272	272	273
Drop Point ASTM D-2265	205°C	207°C	205°C
Copper Corrosion ASTM D-4048 (24 hours, 100°C)	1a	1a	1a

	<i>Li Base Grease</i>	<i>Li Base Grease + 2% STRILUBE®5151R</i>	<i>Li Base Grease + 3% STRILUBE®5151R</i>
<b>Four-ball EP test</b> <i>ASTM D-2596</i> <i>10 sec / 1750 rpm</i> <i>Weld load [kgf]</i>	<b>160</b>	<b>200</b>	<b>250</b>
<b>Four-ball EP test</b> <i>(DIN 51350 Part 4)</i> <i>1min. / 1450 rpm</i> <i>Weld load [N]</i>	-	<b>2400</b>	<b>2600</b>
<b>Four-ball - Wear test</b> <i>(ASTM-D 2266) [mm]</i> <i>1h / 400 N / 1200 rpm / 75°C</i>	<b>1.09</b>	<b>0.43</b>	<b>0.42</b>
<b>Timken test</b> <i>(ASTM-D 2509)</i> <i>Ok load [lbs]</i>	-	<b>40</b>	<b>45</b>
<b>EMCOR</b> <i>ASTM D-6138</i> <i>(168 h, RT, dist. water)</i>	<b>3,4</b>	<b>0,0</b>	<b>0,0</b>
<b>CORROSION PREVENTIVE TEST</b> <i>ASTM D 1743 (48 HRS, 52°C)</i>	<b>Fail</b>	<b>Pass</b>	<b>Pass</b>
<b>Oxidation stability</b> <i>(Norma-Hoffmann oxidation bomb) (ASTM-D 942)</i> <i>100°C / 100h pressure drop [kPa]</i>	-	<b>12</b>	<b>10</b>

**PACKING:** 190 Kg (419 lbs) closed head drum

**STORAGE CONDITIONS:** Store in a cool, dry place away from any direct source of heat and moisture. Maximum recommended storage temperature: 46<sup>0</sup>C (115<sup>0</sup>F)

**SOLUBILITY:** Soluble in petroleum and synthetic lubricant base stocks and most common solvents. Insoluble in water. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.

**SHELF LIFE:** Best if used within 24 months from the date of manufacture.

**Manufactured by:**  
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