

ADDINOL Chain lubricant Roller Track Lube 100 for the use in coating and varnishing lines



ADDINOL Roller Track Lube 100 is a chain lubricant based on carefully selected synthetic components and powerful additives; it has been developed for high-temperature operations specifically.

- ✓ ideal for the application at slow conveyor chains, roller systems and sidetrack conveyors
- ✓ reliable lubrication even under humid and aggressive conditions
- ✓ highly fit for the use in chain conveyor systems with washing and drying lines and furnace temperatures of more than +250 °C

These are your practical benefits:

- ✓ prolonged lifetime of chains and components by reliable protection against rust, corrosion, friction and wear
- ✓ clean chains running optimally without blockages or failures (as for instance residues of solid lubricants, rust, corrosion)
- ✓ smooth sliding without jolts or jerks under all operating conditions
- ✓ specifically tailored high-temperature characteristics (for applications of more than +250 °C)
- ✓ maximum stability of lubricating film under humid conditions and chemical resistance against aggressive cleaning agents
- ✓ reliable adhesion protects safely against dripping off and resulting damages to material conveyed
- ✓ no impairment of varnish or coating caused by evaporation residues
- ✓ reduced consumption thanks to minimum evaporation losses

Characteristic values	Test conditions	Unit	Roller Track Lube 100	Tested acc. to
Viscosity	40°C	mm ² /s	105	ASTM D 7042
	100°C	mm ² /s	12.6	
	200°C	mm ² /s	2.4	
Viscosity index			115	DIN ISO 2909
Flash point	COC	°C	>290	DIN EN 2592
Corrosion category on steel	Method A		0	DIN ISO 7120
Corrosion category on copper	at 150°C, 3h		2	DIN ISO 2160
Evaporation loss		%	<3	DIN 51581
Pour point		°C	<-25	ASTM D 7346
VKA Welding load		N	1,800	DIN 51350-2
VKA Wear scar diametre	1h/d300	mm	0.35	DIN 51350-3

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While chains in varnishing and coating lines pass through the single processing steps (loading, cleaning, coating/varnishing, burning, drying) they are exposed to changing conditions. In order to ensure a stable and smooth run of the chain over the whole process, the lubricant must be up to all the various requirements and deliver its high performance even under extreme conditions.

Otherwise, the quality of the materials processed might be impaired seriously. If, for instance, the chain is contaminated with rust or lubricant residues, particles of these contaminations might come off and cause inclusions in the varnish or coating. A disturbed run of the chain might in turn disturb the even application of varnish or powder.

ADDINOL Roller Track Lube 100 masters the special challenges in varnishing and coating lines:

A Highest thermal-oxidative stability

Because of its high flash point at low viscosity ADDINOL Roller Track Lube 100 is ideal for the application at high temperatures. It does not form any residues or crusts which might disturb the chains' run. Due to low evaporation losses at high temperatures it reduces consumption and does not impair the quality (gloss level, discolouration) of coating or varnish. ADDINOL Roller Track Lube 100 is based on synthetic components and carefully selected additives ensuring highest ageing stability.



Competitive product

Roller Track Lube 100

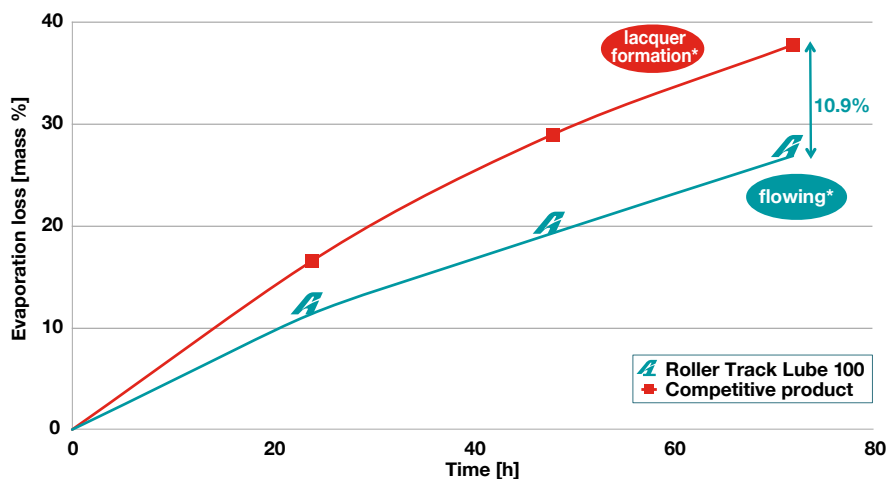
Bowl test according to Brückner, 240 °C, 72 h

Weight loss	Competitive product	ADDINOL Roller Track Lube 100
Glass bowl	38.7 % flowing	26.9 % flowing
Metal bowl	43.4 % lacquer formation	43.1 % flowing

Bowl test according to Brückner, 240 °C, 72 h

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Tests for determining wear behaviour and evaporation at 240 °C on glass/metal



* Visual assessment in metal bowl

A Reliable protection against rust and corrosion

Especially during cleaning and preparing materials to be processed, chain and lubricant are exposed to humidity and solvents. ADDINOL Roller Track Lube 100 is resistant towards water and aggressive media. It provides reliable protection against rust and corrosion and this way ensures the stable and smooth run of the chain without wear or noises.



Competitive product



Roller Track Lube 100

Corrosivity on steel according to DIN ISO 7120

A Reliable adhesion

ADDINOL Roller Track Lube 100 adheres to the chain safely and reliably also during coating and varnishing. Therefore, dripping off and the formation of oil residues in the furnace are reduced significantly. Surface qualities of the materials to be conveyed are not impaired.

A Optimum dosage

The easy application with central lubricating systems by drip or spray lubrication allows the optimum dosage of ADDINOL Roller Track Lube 100. This way, over- and under-lubrication are prevented – wear, seizing, annoying noises and contaminations by dripping off do not occur.