

We pioneer motion

# Arcanol Greases

Grease	Characteristic applications	Operating temperature °C		Continuous limit temperature °C	Thickener	Base oil	Consistency NLGI	Base oil viscosity at +40 °C mm <sup>2</sup> /s	Temperatures		Low friction, high speed	High load, low speed	Vibrations	Sealing effect	Pumpability		
		from	to						low	high							
Multipurpose greases	<b>MULTITOP</b>	Ball and roller bearings in rolling mills, Construction machinery, Spinning and grinding spindles, Automotive engineering, Rotary table bearings, Ball screw support bearing	-50 <sup>1)</sup>	+140	+80	Lithium soap	Partially synthetic oil	2	82	++	+	+	++	+	●	++	
	<b>MULTI2</b>	Ball bearings up to 62 mm outside ø in small electric motors, Agricultural and construction machinery, Household appliances	-30	+120	+75	Lithium soap	Mineral oil	2	110	+	●	●	●	●	●	●	++
	<b>MULTI3</b>	Ball bearings from 62 mm outside ø in large electric motors, Agricultural and construction machinery, Fans	-30	+120	+75	Lithium soap	Mineral oil	3	80	+	●	●	●	+	+	+	+
High loads	<b>LOAD150</b>	Ball, roller and needle roller bearings, Rotary table bearings Linear guidance systems in machine tools	-20	+140	+95	Lithium complex soap	Mineral oil	2	160	●	+	-	++	+	+	+	+
	<b>LOAD220</b>	Ball and roller bearings in rolling mill plants, Paper machinery, Rail vehicles	-20	+140	+80	Lithium/calcium soap	Mineral oil	2	245	●	●	-	++	+	+	+	+
	<b>LOAD400</b>	Ball and roller bearings in mining machinery, Construction machinery, Wind turbine main bearings	-40	+130	+80	Lithium/calcium soap	Mineral oil	2	400	●	●	-	++	+	+	+	+
	<b>LOAD460</b>	Ball and roller bearings, Wind turbines, Bearings with pin cage	-40 <sup>1)</sup>	+130	+80	Lithium/calcium soap	Mineral oil	1	400	+	●	-	++	+	-	-	+
	<b>LOAD1000</b>	Ball and roller bearings in mining machinery, Construction machinery, Cement plants	-30 <sup>1)</sup>	+130	+80	Lithium/calcium soap	Mineral oil	2	1000	●	●	--	++	+	+	+	+
High temperature ranges	<b>TEMP90</b>	Ball and roller bearings in clutches, Electric motors, Automotive engineering	-40	+160	+90	Poly-carbamide	Partially synthetic oil	3	148	++	+	●	●	●	+	+	+
	<b>TEMP110</b>	Ball and roller bearings in clutches, Electric motors, Automotive engineering	-35	+160	+110	Lithium complex soap	Partially synthetic oil	2	130	++	++	+	●	●	●	●	●
	<b>TEMP120</b>	Ball and roller bearings in continuous casting plants, Paper machinery	-30	+180	+120	Poly-carbamide	Synthetic oil	2	400	+	++	-	++	●	+	●	●
	<b>TEMP200</b>	Ball and roller bearings in guide rollers for baking machinery, Kiln trucks and chemical plants, Piston pins in compressors	-30	+260	+200	PTFE	Alkoxyfluoro oil	2	550	+	++	--	+	●	●	●	●
Special greases	<b>SPEED2,6</b>	Ball bearings in machine tools, Spindle bearings, Instrument bearings	-40	+120	+80	Lithium complex soap	Synthetic oil	2 – 3	25	++	●	++	--	-	●	●	●
	<b>VIB3</b>	Ball and roller bearings in blade adjusters in wind turbine rotors, Packaging machinery, Rail vehicles	-30	+150	+90	Lithium complex soap	Mineral oil	3	170	+	+	-	+	++	+	-	-
	<b>FOOD2</b>	Ball and roller bearings in applications with food contact (NSF-H1 registration, kosher and halal certification)	-30	+120	+70	Aluminum complex soap	Synthetic oil	2	150	+	-	●	●	●	●	●	++
	<b>CLEAN-M</b>	Ball, roller, and needle roller bearings as well as linear guidance systems in clean room applications	-30	+180	+90	Poly-carbamide	Ether oil	2	103	++	++	●	●	●	●	●	+
	<b>MOTION2</b>	Ball and roller bearings in oscillating operation, Slewing rings in wind turbines	-40	+130	+75	Lithium soap	Synthetic oil	2	50	++	●	-	+	++	+	+	●
	<b>SEMIFLUID</b>	Semifluid grease lubricant for linear guidance systems and gears	-40	+160	+90	Lithium complex soap	Synthetic oil	00	180	++	+	●	--	●	--	--	++

<sup>1)</sup> Measurement values according to Schaeffler FE8 low temperature test.

++ extremely suitable    + highly suitable    ● suitable    - less suitable    -- not suitable