



Technical description
VP 874
grease for linear guide systems



Nonfood Compounds
Program Listed (H1)
(Registration 137665)

VP 874 has been designed as a food grade - and (NSF) H1 approved grease made for use with linear guide systems. The grease can also be employed for the lubrication of roller bearings. In a test under extreme high load (P/C-value = 0,5) at Bosch – Rexroth, VP 874 could exceed the calculated life time of the grease. The short stroke test did reveal paramount results as well. Bosch – Rexroth particularly recommends VP 874. ²⁾

Characterization acc. to DIN 51825	KPHC2K-20	
Chemical composition:	synthetic. oil, organic thickener, active substances	
Appearance:	white, paste type grease	
Base oil viscosity:	ISO VG 150	DIN 51562
Operating temperature ¹⁾	-20°C till +120°C	
NLGI-class:	2	DIN 51818
Penetration at rest:	approx. 205 units	DIN ISO 2137
Worked penetration:	approx. 279 units	DIN ISO 2137
Worked pen. after 10.000 D-strokes:	370 units	
Apparent dynamic viscosity:	start: 2.080 mPa*s end: 1.630 mPa*s	
Oil separation:	K<1	DIN 51817
Dropping point in C.:	>200°C	DIN 51801
Shell 4 ball tester: welding load	800 / 1.000 N	DIN 51 350 T4
Shell 4 ball test: diameter of calotte:	0,66 mms (1 h, 400 N, 1440 min ⁻¹)	DIN 51350 T5
Shell-roller-test (50h, 80°C)	340	ASTM D 1831
Corrosion against iron:	0 – no corrosion	
Corrosion against copper:	0 – no corrosion	

These data are issued in good faith and reflect our knowledge of today. We reserve the right to modify and/ or supplement them.

Vöhringen, 16.09.2005, JB

Revision: 20.10.2005 / 14.11.05 / 28.11.05 25.11.2009/sti