



SMOOTHER WORLD BETTER LIFE

TKM-E High-Temperature Grease for Pellet Machine

Examples of Application

- Wood pellet mill roll bearings
- Feed pellet mill roll bearings
- Work roll bearing of Continuous casters
- Bearings of crushers and vibrating screens
- Bearings subjected to extreme temperatures
- Roller and plain bearings



Features and benefits

- Excellent consistency-temperature behaviour
- High corrosion protection
- Very good water resistance
- High adhesion
- Very good wear protection
- Excellent pumpability
- Extreme pressure properties

Service temperature: -20 °C to +180 °C

NLGI grade	1	2	3
Appearance, visual	Yellow	Yellow	Yellow
Thickener type	Polyurea	Polyurea	Polyurea
Base fluid type	Mineral oil	Mineral oil	Mineral oil
Kinematic viscosity of base oil, ASTM D 445			
cSt @40°C	490	490	490
cSt @100°C	32	32	32
Viscosity index of base oil	96	96	96
Cone penetration, ASTM D 217			
W × 60, mm ⁻¹	320	275	250
Dropping point, °C, ASTM D 2265	269	278	303
Oil separation, 24 h @ 100°C, %, FTMS 791C-321.3	6	1	1
Four ball wear, 60 min @ 392 N, mm, ASTM D 2266	0.6	0.5	0.5
Four ball EP, weld point, kg, ASTM D 2596	315	315	315
Water washout, 1 h @ 38°C, %, ASTM D 1264	6	1	1
Water Spray resistance, loss mass %, ASTM D4049	10	4	4
Copper corrosion, T2 copper strip, 24 h @ 100°C, rating, ASTM D 4048	pass	pass	pass

* Instructions for use: Prior to serial application product compatibility tests are recommended

The above data correspond to latest technology, modifications reserved. This information is intended as a guide and does not necessarily represent a marketing specification. In individual cases tests have to be carried out by the consumer. Further data upon request.