



Specialty
Lubricants

MOLYKOTE® P 1600
Multipurpose copper paste

FEATURES

- High load carrying capacity
- Low friction
- Good anti-wear performance
- Excellent corrosion protection
- Good temperature performance
- Easy to apply

General purpose lubricating paste which provides excellent lubricity and corrosion protection for various assembly jobs.

APPLICATION

- Assembly and threaded connections, mounting of bearings, machine beds, assembly of spline shafts, flange sealing and threaded connections at elevated temperatures.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Test Method*	Parameter	Unit	Value
	Appearance		
	Color		Copper
	Consistency, viscosity		
ISO 2137	Unworked penetration	mm/10	330-370
DIN 51 562	Base oil viscosity at 40°C (104°F)	mm ² /s	105
	Temperature		
	Service temperature (paste)	°C	-20 to +130
		°F	-4 to +266
	As dry solid lubricant	°C	+1100
		°F	+2012
DIN 2176	Drop point	°C	173
		°F	343.4
	Load-carrying capacity, wear protection, service life		
	Almen-Wieland Tester	N	20,000
DIN 51350 pt.4	Four-ball weld load	N	3,600
DIN 51 350 pt.5	Wear scar at 800N load	mm	1.2
	Fretting corrosion - Deyber	cycles	30x10 ⁴
	Coefficient of friction		
	Press-Fit test μ =		0.15
	Screw test - μ thread		0.12
	Screw test - μ head		0.12
	High temperature thread test at tightening of 82Nm, 8.8, 300°C (572°F) for 21 hours		
	Break-away torque	Nm	115
	High temperature thread test with alloy 1.4841 at high tightening of 68Nm, 1100°C (2012°F) for 21 hours		
	Break-away torque	Nm	123
	Corrosion protection		
DIN 51 802	SKF-Emcor method		
	Degree of corrosion		0 (no corrosion)

* ISO: International Standardisation Organisation
DIN: Deutsche Industrie Norm

HOW TO USE

How to apply

All surfaces and threads should be cleaned. The paste should be applied with a suitable brush, rag or grease gun.

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 60 months from the date of production.

PACKAGING

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY

INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.