

LUBEFLON[®] PRODUCTS COMPARISON

LUBEFLON[®] Lubricant Powder from granular PTFE

PROPERTIES	TEST METHOD	UNITS	K 100	K201	K 301	K 301 FDA	K 401	K 401 FDA	K 501	K 501 FDA
Specific gravity	DIN 53479	g/cm ³	2,16 +/- 0,02	2,16 +/- 0,02	2,16 +/- 0,02	2,16 +/- 0,02	2,16 +/- 0,02	2,16 +/- 0,02	2,16 +/- 0,02	2,16 +/- 0,02
Bulk Density	ISO 12086	g/l	400 - 500	400 - 500	400 - 500	400 - 500	400 - 500	400 - 500	380 - 450	380 - 450
Average Particle Size (d50)	ISO 13320	μ	13	3	5	5	8	8	20	20
Melting Peak Temperature	ASTM D1457	° C	332 - 340	327 - 335	327 - 335	332 - 338	327 - 335	332 - 338	327 - 335	332 - 338
Colour	Internal	Visual	White	White	White	White	White	White	White	White
Food Contact Approval	EU/FDA	-	YES*	NO	NO	YES*	NO	YES*	NO	YES*

LUBEFLON[®] Lubricant Powder from emulsion PTFE

PROPERTIES	TEST METHOD	UNITS	KP 650	KP 650 FDA	KP 652	KP 648
Specific gravity	DIN 53479	g/cm ³	2,16 +/- 0,02	2,16 +/- 0,02	2,16 +/- 0,02	2,16 +/- 0,02
Bulk Density	ISO 12086	g/l	400 - 500	400 - 500	400 - 600	400 - 500
Average Particle Size (d50)	ISO 13320	μ	6	6	7	6
Melting Peak Temperature	ASTM D1457	° C	328 - 332	332 - 338	330 - 336	328 - 332
Colour	Internal	Visual	White	White	White	Slightly brown
Food Contact Approval	EU/FDA	-	NO	YES*	NO	NO*

* UE regulations: 1935/2004, 82/711, 85/572, 2002/72/CE; after being approved in the national laws;

USA regulations: FDA, Food and Drug Administration, Department of Health and Human Services, Code of Federal Regulations 21 CFR Ch. 1; USA regulations sections 175.105 - 175.300 - 17 6.170 - 176.180 - 177.1520 - 177.1550 (a) (1) and (b)-Perfluorocarbon Resins - 177.2600 - 178.3570.

Safety- Toxicology

This product is a fluoroplastic material, so normal precautions observed with fluoroplastics should be followed. Before processing this product, be sure to read and follow all precautions and directions for use contained in the product Material Safety Data Sheet.

Technical Information

This information is based on our experience to date and we believe it to be reliable. It is intended only as a guide for use at your discretion and risk. We cannot guarantee favourable results and assume no liability in connection with the use of the products described. None of this information is to be taken as a licence to operate under, in order to infringe any patents.