

Plastics, Elastomers, Grease & Oil Additives



LINEPLUS®
PTFE MICRO-POWDER



PLASTICS & ELASTOMERS PTFE MICRO-POWDER FLUORO-ADDITIVES

PRODUCT OVERVIEW:

Lineplus® PTFE (polytetrafluoroethylene) fluoro-additives are finely divided white powders of PTFE resins. They are typically added in small quantities to other solid or liquid materials to improve their abrasion resistance and lubricity. They are very different from standard PTFE molding and extrusion resins: for this reason, they are classified as a different product-line. The differences include low molecular weights, small particle sizes (2 to 20 µm) and different particle shapes. When added in small quantities, Lineplus® PTFE fluoro-additive powders can impart some of the most important properties of PTFE to the host materials.

PROPERTIES:

- Improve non-stick properties
- Reduce the friction coefficient
- Increase scratch, corrosion and UV resistance
- Improve thermal stability
- Increase weatherability and lubricity of the host materials
- Inert to almost all chemicals
- Do not absorb moisture
- Aerosol dry lubricant properties
- Improve plastic and rubber compounds performances
- Improve durability to inks and printing formulations
- Improve grease and lubricant performances

PRODUCTS	COLOUR	BULK DENSITY ASTM (g/l) D4894	MOISTURE CONTENT % B.W. (23 °C) INTERNAL METHOD	AVERAGE PARTICLE SIZE (µm) INTERNAL METHOD	SPECIFIC SURFACE AREA (m ² /g) ASTM D4567	MELTING POINT (°C) ASTM D4591	MELT FLOW INDEX (g/10 min) ASTM D1238	FOOD APPROVAL FDA (USA)
LINEPLUS® PF 150-P*	White	350	<0,02	3,0	9	333,0	1,0	Yes
LINEPLUS® PF 155-P*	White	370	<0,02	2,5	9	328,0	10,0	No
LINEPLUS® PF 160-P*	White	480	<0,02	7,0	9	333,0	1,0	Yes
LINEPLUS® PF 200	White	400	<0,04	3,0	3	330,0	15,0	No
LINEPLUS® PF 250	White	380	<0,04	4,5	3	330,0	10,0	No
LINEPLUS® PF 250-F	White	340	<0,04	6,0	3	333,0	0,5	Yes
LINEPLUS® PF 250-R**	Off-White	480	<0,1	6,0	3	323,0	>200,0	No
LINEPLUS® PF 255	White	380	<0,04	4,5	3	329,0	7,0	No
LINEPLUS® PF 260	White	380	<0,04	3,5	3	324,0	>200,0	No
LINEPLUS® PF 300	White	500	<0,04	10,0	3	330,0	7,5	No
LINEPLUS® PF 300-F	White	400	<0,04	11,0	3	333,0	0,5	Yes
LINEPLUS® PF 350	White	420	<0,04	10,0	3	330,0	5,0	No
LINEPLUS® PF 350-R**	Off-White	800	<0,1	17,0	3	329,0	1,5	No
LINEPLUS® PF 352-R**	Off-White	800	<0,1	15,0	3	331,0	0,5	No
LINEPLUS® PF 450-F	White	440	<0,04	14,0	3	333,0	0,5	Yes
LINEPLUS® PF 600	White	500	<0,04	15,0	3	331,0	5,0	No
LINEPLUS® PF 625-F	White	400	<0,04	20,0	3	344,0	-	Yes
LINEPLUS® PF 631-F	White	720	<0,04	670,0	3	345,0	-	Yes
LINEPLUS® PF 650-F	White	450	<0,04	18,0	3	333,0	0,5	Yes
LINEPLUS® PF 700	White	600	<0,04	30,0	3	330,0	3,0	No
LINEPLUS® PF 750-R**	Off-White	800	<0,1	30,0	3	328,0	1,5	No
LINEPLUS® PF 3004	White	500	<0,04	22,5	3	338,0	-	No

*There is also available the PFOA free version for all our dispersion-based PTFE grades.

**For all the above -R series lubricant Lineplus® powders there is also available the whitened -RB version.

www.maflon.com

November 2018. The information included in this form are provided to the best of our knowledge. We do not assume any responsibility for outdated information, and in particular for those not included in this form and obtained from other sources. Exceptions can be made only in case of further agreements or for contractual liability. Please check with Maflon for the latest version of this document.

