

Lubricant Polymers

Fluon® lubricant polymers are manufactured from virgin polytetrafluoroethylene (PTFE) feedstock and have been developed for use as both dry lubricants and as additives in other materials such as plastics, inks, oils and greases. These polymers improve wear resistance and enhance lubricity, non-stick and frictional characteristics of the host media.

The table below shows the main grade range.

Please contact the AG Fluoropolymers sales office for details of other specialist and newly developed lubricant grades.

Lubricant Polymer Grades

| Grade | Bulk Density (g/l) | Mean Particle Size (Malvern Laser Diffraction) (µm) | Surface Area (m ² /g) | FDA Compliant | Applications |
|--------|--------------------|---|----------------------------------|---------------|--|
| FL1679 | 1300 | 700 | 0.8 | yes | Used after milling as an additive in printing inks, oils, grease & industrial finishes. |
| FL1680 | 450 | 13 | 0.8 | yes | Low porosity lubricant used mainly in printing inks and industrial finishes. |
| FL1690 | 480 | 21 | 1.0 | yes | General purpose lubricant, especially recommended for use in thermoplastics and elastomers. |
| XL1607 | 500 | 35 | 1.0 | yes | General purpose lubricant, particularly for use in thermoplastics |
| FL1700 | 530 | - | 3.1 | yes | Friable grade (to sub-micron particle size) used in rubber, elastomers, printing inks, oils, greases and industrial finishes. Suitable for metal decoration (can coating), gravure and flexographic printing inks. |
| FL1710 | 400 | 9 | 2.3 | yes | Fine particle size with good dispersion in low/high shear mixers used particularly in inks and industrial finishes. |



1. Computer component applications
 2. Ski wax
 3. Anti scuff agent for ink & paint*
 4. Improved wear in automotive components
 * Image supplied by BASF Printing Systems Ltd

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