

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 AGC Chemicals Europe sales office for details of other specialist and newly developed lubricant grades.

This information sheet contains typical property data which should not be used for specification purposes.

(Fluon® is a trademark of Asahi Glass Company)

### Fluon® Lubricant Polymer Grades

Grade	Bulk Density (g/l)	Mean Particle Size - Laser Diffraction (µm)	Surface Area (m <sup>2</sup> /g)	FDA Compositional Approval	Applications
FL1650	480	21	1.0	yes	High thermal stability grade for use in thermoplastics
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	20	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
L169E	440	16	1.0	yes	Premium grade with narrow particle size distribution and high thermal stability for use in thermoplastics
FL1700	530	-	3.1	yes - with restrictions	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 - with restrictions	Fine particle size with good dispersion in low/high shear mixers used particularly in inks and industrial finishes

AGC Chemicals Europe, Ltd.,  
 PO Box 4, York House,  
 Hillhouse International,  
 Thornton Cleveleys,  
 Lancashire  
 UK  
 FY5 4QD  
 Tel: +44 (0) 1253 861951  
 Fax: +44 (0) 1253 861950  
 email: info@agcce.com  
 www.agcce.com

