



UCON Fluids&Lubricants Shanghai Ping Yiao Trading Co.,Ltd

UCON Metalworking Fluids

UCON™ metalworking fluids are used as lubricity bases for formulating water-soluble cutting and grinding fluids and in forming operations, such as drawing, stamping, and rolling. They can be used alone or in combination with extreme-pressure additives. UCON metalworking fluids feature inverse solubility — they become less soluble in water as the temperature of the solution increases. When in contact with a hot tool or workpiece, the fluid comes out of solution and coats the metal surfaces with a concentrated lubricant film, providing greater lubricity and heat removal.

Select a product below to download a Technical Data Sheet. The table below lists the typical viscosity† to help you select which product will meet your needs.

Product	Description	Viscosity, cSt ASTM D 445
UCON Metalworking Lubricant EPML-483	Anionic modified PAG for metalworking lubricant formulations; provides hydrodynamic and extreme pressure lubrication with low foam tendency. It's water soluble and unaffected by hard water.	2000 – 3800 at 25°C
UCON Metalworking Lubricant EPML-577	PAG based lubricity package (no lubricity modifiers needed); provides long-term, trouble-free service in recirculating central coolant systems.	28.1 – 38.9 at 37.8°C
UCON Metalworking Lubricant EPML-X	Mixture of an alkanolamine and an anionic polymer; provides lubrication for heavy-duty machining. It's water soluble and provides formulation ease, increases tool life, and doesn't deplete in coolant systems. It can be used in recirculating coolant systems when used in a fully formulated product.	4000 – 3800 at 25°C

† Typical properties, not to be construed as specifications.

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