

Potassium Formate

Chemical properties

Chemical formula	HCOOK
Chemical structure	
Molecular weight (g/mol)	84.12

Physical properties 1.57 s.g. brine

Appearance	Clear liquid
Colour	Colourless
Viscosity (CP)	
at 26.7°C	12.7
at 37.8°C	8.9
at 71.0°C	4.3
pH (buffered)	10.0 – 11.0
Dissociation constant (pKa)	3.75
Vapour pressure (Pa)	
at 20°C	576
at 30°C	1,096
at 40°C	1,992
Boiling point (°C)	138
Coefficient of thermal conductivity (W/m/K)	
at 10°C	0.417
at 70°C	0.461
Heat capacity (J/g/K) at 10 – 70°C	2.10
Coefficient of friction at 93°C	
metal-to-metal	0.196
metal-to-sandstone	0.172
Turbidity (NTUs)	< 5