

### DESCRIPTION

Dober's Fuel Cell Coolant ULC is a ready-to-use, ethylene glycol-based coolant with very low electrical conductivity. This coolant is based on non-ionic inhibitors, which impart long-term, stable electrical conductivity that is essential for the safe operation of fuel cell systems.

### TYPICAL PROPERTIES

Appearance	Clear, colorless liquid	
Density, g/cm <sup>3</sup>	1.074	ISO 12185
Boiling Point	°C 107	ASTM D 1120
Pour Point	°C -51	ASTM D 97
Freezing Point	°C -40	ASTM D 1177
Refractive Index	1.386	ASTM D 1218
pH	5.54	ASTM D 1287
Electrical Conductivity, μS/cm	25°C <2	ASTM D 1125
Temperature Range	between -30°C and 100°C	
Storage	Store unopened, air-tight container at 30°C max for one year	

### CORROSION PROTECTION

#### ASTM D1384 Glassware Corrosion Test Results

ASTM D1384 Glassware Corrosion Test – 88°C  
Typical Test Results

Specimen	FC Coolant ULC	Competitor	D1384 Limits, Max.
Copper	-2	3	10
304L Steel	-1	-1	10
Brass	0	32	10
316L Steel	-1	-2	10
6061 Aluminum	-4	64	30

Coupons After 2 Week Test

Fig. 1 – FC Coolant ULC

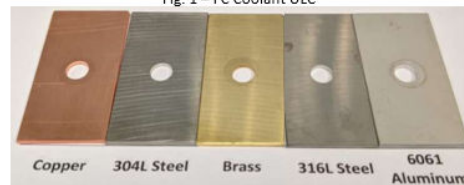


Fig. 2 – Competitor



Compatible with polymers and elastomers including EPDM, silicone rubber, Viton, etc. Results available on request.