

## Fomblin® FE 20C

### Perfluoropolyether

Fomblin® FE 20C is a hydroalcoholic perfluoropolyether microemulsion, indefinitely stable within a defined range of temperature and concentration. Its stability however, is limited from 5 °C to 60 °C. Fomblin® FE 20C can be diluted down to 0.5 %, by weight of Fomblin® PFPE, without phase separation. If phase separation occurs from temperature change (e.g. outside storage) the emulsions will spontaneously re-disperse when brought back within the stable temperature range.

Fomblin® FE 20C microemulsion represents a very effective, environmentally safe and economical way of conveying the exceptional properties of liquid fluoropolymers to a variety of surfaces like metals, plastics, glass fibers etc. Benefits include improvement in chemical resistance, increased oil and water repellency release properties and a greater lubricity to the treated surface.

#### Typical properties of Fomblin® FE 20C

Property	Typical Value	Unit	Test Method
Composition	20wt% Fomblin® PFPE content 18wt% T-butyl alcohol 62wt% Water		
pH	8-9		
Surface tension	20	mN/m	
Kinematic viscosity at 20 °C	3	cSt	
Appearance	clear		
Odor	typical ammonia		
Density	1.06	g/cm <sup>3</sup>	
Freezing point	-20	°C	
Flash point	21 (70)	°C (°F)	
Dilutability	> 1:20	vol:vol water	

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