



## Fomblin® Y04 perfluoropolyether

Fomblin® Y perfluoropolyether fluids have the following unique features:

- Excellent high temperature stability
- Good low temperature properties
- Very good extreme pressure (EP) and wear characteristics
- Low evaporative loss
- Good thermal index

### General

|                 |  |
|-----------------|--|
| Material Status | • Commercial: Active   |
| Availability    | • Africa & Middle East<br>• Asia Pacific<br>• Europe<br>• Latin America<br>• North America |
| Features        | • Chemical Resistant<br>• High Density<br>• High Heat Resistance                           |
| Forms           | • Liquid   |

### Physical

|  | Typical Value | Unit              | Test method |
|--|---------------|-------------------|-------------|
| Average Molecular Weight                     | 2000          | amu               |             |
| Density (20°C)                               | 1.87          | g/cm <sup>3</sup> | ASTM D4052  |
| Evaporation Weight Loss <sup>1</sup> (120°C) | 8.0           | %                 | ASTM D2595  |
| Four Ball Wear Test <sup>2</sup> (75°C)      | 0.53          | mm                | ASTM D4172  |
| Kinematic Viscosity                          |               |                   | ASTM D445   |
| 20°C   | 44.0          | cSt               |             |
| 40°C   | 18.0          | cSt               |             |
| 100°C  | 3.60          | cSt               |             |
| Surface Tension (20°C)                       | 21            | dyne/cm           |             |
| Viscosity Index                              | 65.0          |                   | ASTM D2270  |

### Thermal

|            | Typical Value | Unit | Test method |
|------------|---------------|------|-------------|
| Pour Point | -58           | °C   | ASTM D97    |

# Fomblin® Y04

perfluoropolyether

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## Additional Information

## Typical Value Unit

Approximate ISO Grade

15.0

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## Notes

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Typical properties: these are not to be construed as specifications.

<sup>1</sup> 22 hr

<sup>2</sup> 1 hr, 1200 rpm, 40 kg



Progress beyond

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