

MIL-PRF-87257C

RADCOLUBE® FR257

(FORMERLY MIL-PRF-87257 B)

RADCOLUBE® FR257 is a military-qualified synthetic, fire-resistant hydraulic fluid consisting of synthetic hydrocarbon base oils and additives. Designed for safe use in low temperature aircraft and missile hydraulic systems, RADCOLUBE® FR257 demonstrates excellent low temperature properties, oxidative stability and fire protection in both military and industrial commercial applications.



**RADCO
INDUSTRIES**

700 Kingsland Drive
Batavia IL 60510

Phone: 630.232.7966

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www.radcoind.com

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CHARACTERISTICS

	REQUIREMENT	TYPICAL RESULTS	TEST METHOD
Kinematic Viscosity, Centistokes			
@ 40 °C, Minimum	6.7 cSt	6.8 cSt	ASTM D455
@ 100 °C, Minimum	2.0 cSt	2.1 cSt	ASTM D455
@ -40 °C, Maximum	550 cSt	456 cSt	ASTM D455
@ -54 °C, Maximum	2,500 cSt	2,291 cSt	ASTM D445
Evaporation Loss (%wt) maximum	20.0	17.0	FED STD 791-350.2
Pour Point, °C , maximum	-60 °C	<-81 °C	ASTM D5949
Flash Point, °C , maximum	160 °C	170 °C	ASTM D92
Fire Point, °C , maximum	170 °C	192 °C	ASTM D92
Total Acid Number, maximum	0.20 mg KOH/g	0.10 mg KOH/g	ASTM D664
Water Content, ppm maximum	100 ppm	11 ppm	ASTM D 6304
Solid Particle Contamination per 100ml, microns			
5 to 15	10,000 max	4,034	FED STD 791D 3012
16 to 25	1,000 max	436	FED STD 791D 3012
26 to 50	150 max	108	FED STD 791D 3012
51 to 100	20 max	10	FED STD 791D 3012
> 100	5 max	0	FED STD 791D 3012

QUALIFICATION NUMBER:
AFPET/PTPS 19-011

QUALIFICATION DATE:
18 July 2019

NATO CODE: H-538

**ISO 9001:2015 Certification
Number: C2018-00035**

NATIONAL STOCK NUMBERS

AVAILABLE FROM RADCO
 9150-01-388-7769 QUART
 9150-01-386-6687 GALLON
 9150-01-391-2087 5 GALLON PAIL
 9150-01-387-4577 55 GALLON DRUM

MANUFACTURING LOCATION:

La Fox, IL 60147

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