



Aviation Products Product Specification

SKYDROL® PE-5 FIRE RESISTANT HYDRAULIC FLUID

Date Effective: June 2007
Last Modified: June 2007

Characteristics	Limits
Appearance	Clear, oily liquid
AIT (ASTM D-2155)	750° F / 399° C Minimum
Color	Purple, essentially equivalent to intensity and hue standard
Contaminants:	
Calcium	10 ppm Maximum
Chlorine	50 ppm Maximum
Potassium	41 ppm Maximum
Sodium	10 ppm Maximum
Sulphur	1185 - 1540 ppm
Fire Point, COC	350° F / 177° C Minimum
Flash Point, COC	320° F / 160° C Minimum
Moisture	0.20% Maximum
(Total) Acid No. (mgKOH/g)	0.10 Maximum
Particle Contamination (Sample per ASTM F-302-70)	
No.. /100 ml. sample	
5 – 15 micron size	32,000 Maximum
15 – 25 micron size	5,700 Maximum
25 – 50 micron size	1,012 Maximum
50 – 100 micron size	180 Maximum
Over 100 micron size	32 Maximum
Pour Point	-80° F / -62° C Maximum
Specific Gravity @ 25/25° C	0.990 to 1.00
Viscosities:	
@ 210° F / 99° C	3.11 to 3.51 cSt
@ 100° F / 38° C	9.02 to 10.02 cSt
@ 65° F / -54° C	2000 cSt Maximum

© Skydrol is a registered trademark of Solutia Inc.

Notice: Although the information and recommendations set forth herein (hereinafter 'Information') are presented in good faith and believed to be correct as of the date hereof, Solutia Inc. makes no representations or warranties as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determinations as to its suitability for their purposes prior to use. In no event will Solutia Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent, and Solutia Inc. makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.