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**TECHNICAL REPORT FS70
 AMS R 25988, TYPE I, CLASS 1, GRADE 70
 Typical Physical Properties (G16)**

<u>ORIGINAL PROPERTIES</u>	<u>Spec.</u>	<u>Typical Values</u>
Hardness	70 +/- 5	72
Tensile, Mpa	6.55 min.	7.4
Elongation, %	150% min.	303
Specific Gravity		151
Color	Blue	Blue
 <u>HEAT AGE 70 HRS. @ 200°C</u>		
Change in Durometer, pts	-5 / +10	+3
Change in Tensile, %	-20 max.	-14.2
Change in Elongation,%	-25 max.	-18.8
Weight Loss, %	-2.0 max.	-0.6
 <u>COMPRESSION SET, 22 HRS. @ 175°C</u>		
% Set	25 max.	13.2
 <u>COMPRESSION SET, 70 HRS. @ 23.9°C</u>		
% Set	15 max	7.4
 <u>FLUID RESISTANCE AMS 3021(STAUFFER 7700), 70 HRS @ 150°C</u>		
Change in Durometer, pts	+/- 15	-7
Change in Tensile, %	-44	-16.3
Change in Elongation,%	-25	-7.6
Change in Volume, %	+1 / +15	+10.0
Compression Set, %	30	11.8
 <u>FLUID RESISTANCE TT-S-735 (FUEL B), 22HRS @ 23.9°C</u>		
Change in Durometer, pts	-20 max.	-6
Change in Tensile, %	-45 max.	-24
Change in Elongation,%	-35 max.	-17.5
Change in Volume, %	+1 / +25	+20.8
 <u>LOW TEMPERATURE RETRACTION</u>		
TR10, -56.6°C	Pass	Pass