



# EN-	007-0222
NAME:	Engineering
REV:	B

*Engineering Note*

**SUBJECT: CICOIL FLEXX-SIL RUBBER COMPOSITION**

The description and composition of CICOIL Flexx-Sil™ rubber is as follows:

Generic Description: Ultra-Pure Synthetic Rubber  
 Physical Form: Flexible yet durable  
 Color: Translucent clear  
 Odor: None  
 NFPA Profile: Health 0 Flammability 1 Instability/Reactivity

COMPOSITION/INFORMATION ON INGREDIENTS\*

PHYSICAL AND CHEMICAL PROPERTIES

Physical and mechanical, per A-A-59588 & ZZ-R-765E

Property	Unit	Test Method	Value
Temperature range	°C	ASTM D2137 & UL 94HB	-65 to 260
Hardness	Shore A	ASTM D2240	68-70
Water Absorption	% vol. change	ASTM D471	<+5
Tensile Strength	PSI	ASTM D412	>800
Elongation at Break	%	ASTM D412	>400
Tear Strength	lb/in Die B	ASTM D624	280
Brittle Point	°C	ASTM D2137	-70
Flame Retardant Temp.	°C	UL94HB & IEC 332	260 min
Decomposition Temp.	°C	PTL 13057	446.2
Combustion Temp.	°C	PTL 13057	710.3

CHEMICAL RESISTANCE

<https://www.cicoil.com/images/pdf/technical-support/Chemical Compatibility for Flexx-Sil.pdf>

Please contact CICOIL for more information.



(661)295-1295

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\* 100% cured

Contact factory for flight line fluid compatibility information