



NMO Compound 608714

Biodiesel Fuel Compatibility

Biodiesel Fuel Rubber Compatibility

The worldwide drive for cleaner burning fuels has led to the development of Ultra Low Sulfur Diesels (ULSD) and Biofuels. Many of these Biofuels are blended with Diesel to produce alternative fuels such as B5 (5% Biofuel), B20 (20% Biofuel) and B50 (50% Biofuel).

Traditional polymers used in combustion engines are not compatible with these new fuels. Biodiesel fuels which might include water and/or acid can be extremely deleterious to conventional Fluoroelastomers formulated with metal oxides.

Precision Associates' compound 608714 is a 70 durometer black NMO (no metal oxide) peroxide cured Viton® GFLT. It offers superior chemical resistance with improved low temperature performance.

Precision Associates Inc. has done exhaustive testing on many different polymer types. We are confident that our compound 608714 will meet or exceed your requirements for these new fuels.



UL Standard 87B covers Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends. The data below show how well 608714 performs against the standard's requirements.

STATIC SEALS (5.2.2.1) 608714 Requirement			DYNAMIC SEALS (5.2.2.2) 608714 Requirement		
IMMERSION FB25a: UL 157			IMMERSION FB25a: UL 157		
1000 Hours @ RT			1000 Hours @ RT		
Volume Change	+0.3%	-1 to +40	Tensile Strength Change	- 4.3%	-40 max
Weight Change	+1.1%	-10 max	Elongation Change	-16.5%	-40 max
Compression Set	7.9%	35% max	Volume Change,	+ 0.3%	-1 to 40
Visual Degradation	None	None	Weight Change,	+ 1.1%	-10 max
			Visual Degradation	None	None
IMMERSION B100a: UL 157			IMMERSION B100a: UL 157		
1000 Hours @ RT			1000 Hours @ RT		
Volume Change	+0.3%	-1 to +40	Tensile Strength Change	-17.6	-40 max
Weight Change	+1.2%	-10 max	Elongation Change,	-25.0	-40 max
Compression Set	7.9%	35% max	Volume Change,	+ 0.3	-1 to 40
Visual Degradation	None	None	Weight Change,	+ 0.4	+1.2 -10 max
			Visual Degradation	None	None

Please contact Precision Associates for more information and a complete Product Data sheet on our compound 608714.



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