



6870 South 10th Street, Oak Creek, Wisconsin 53154

Phone: 414/764-4630 Fax: 414/764-4470

ISO9001 Registered - www.miltecinc.com

As demands change and technological advancements in the automotive industry transpire, suppliers are being increasingly challenged with greater performance standards. Changes in fuel efficiency and environmental regulations have made it more important than ever for suppliers to deliver products with increased operational durability. Miltec, Inc. has extensively developed a grade of Adhesive Plastisol for Fuel and Lube Filter applications that has superior chemical resistance. We have formulated the material to endure long duration exposure to harsh environments and still retain critical physical properties. Exhaustive testing and development of our product line coupled with strict Quality Control Measures is the only way that we know how to provide reliable, cost effective solutions to our customers' needs.

One of the common uses of Miltec, Inc. Plastisol is for paper to paper and paper to metal adhesion in the assembly of automotive filters. Customers typically have varying applications for an adhesive but mandate the use of only one product. That is a single grade of plastisol may be used for Fuel, Lubricant, Coolant, Hydraulic, and Air Filtration, quite a diverse array of environmental situations. This kind of be all, work horse material needs to be thoroughly tested to each of the specific uses, and we have excellent knowledge and experience doing just that.

The following tables list our Plastisol Products performance values. The myriad of fluids that we have evaluated with the number of hours our material can withstand at the given temperatures without failure. This does not represent any product limitation but is intended as a guide to help in selecting the appropriate material for a given application.



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MILTEC Thixotropic Adhesive

FLUID	TIME (hrs)	TEMP °C [°F]
HYDRAULIC FLUIDS AND LUBRICANTS		
Castrol Anvol™ SWX 46 FM	Min. 2,175	93 [200]
Mystik® AW/AL ISO 68	330	140 [285]
S.A.M. Low-Temp (-50°)	Min. 2,082	93 [200]
Shell Rotella® T 15W-40 Heavy Duty Diesel Engine Oil	9,300	121 [250]
SAE 40 Diesel Oil	700	140 [285]
DEXRON™ III ATF	350	140 [285]
R+O 32 Group II Oil (Rust & Oxidation Inhibitor)	880	135 [275]
Pet 68 Group II Oil (Antiwear)	Min. 880	135 [275]
Benzoil Petraulic 220	480	135 [275]
MISCELLANEOUS		
Hot Air	250	121 [250]



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FLUID	TIME (hrs)	TEMP °C [°F]
HYDRAULIC FLUIDS AND LUBRICANTS		
DEXRON™ III/ MERCON® VI ATF	302	149 [300]
DEXRON™ VI	302	149 [300]
Benzoil Petraulic 220	220	149 [300]
Ford Hydraulic Oil	227	93 [200]
Hy-Tran Ultraction	708	121 [250]
Hy-Tran Ultra	708	121 [250]
Type FA ATF	220	149 [300]
Royal Purple MAX ATF	220	149 [300]
WATER AND COOLANTS		
Water	Min. 102	82 [180]
Boiling Water	Min. 2	100 [212]
Water/Ethylene Glycol 50/50	Min. 227	93 [200]



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FLUID	TIME (hrs)	TEMP °C [°F]
SOLVENTS		
Unleaded Gasoline	Min. 18,745	22 [72]
Biodiesel Fuel (B100)	Min. 18,426	22 [72]
Gasoline/Ethyl Alcohol 80/20	Min. 15,956	22 [72]
Gasoline/Ethyl Alcohol 15/85 (E85)	Min. 18,426	22 [72]
RFO-3 Oil	213	135 [275]
Toluene	Min. 18,426	22 [72]
Diesel Fuel	Min. 18,426	22 [72]
100 Low Lead Jet Fuel	Min. 18,426	22 [72]
Gasoline/tert amyl methyl ether 85/15	Min. 7,962	22 [72]
Gasoline/tert butyl ethyl ether 85/15	Min. 7,578	22 [72]