Chemical resistance certificates

Magnetic Leak Patch MLP with Teflon sheet

Resistance levels:

A resistant
B resistant for at least 3 hours
C non-resistant

Applicable to MLP with with Teflon sheet.

Name of substance	Chemical formula	Resistance level at the temperature of 20 °C
acetonitrile	CH_3CN	A
aqua regia		A
ammonia	NH_3	A
aniline	$C_6H_5NH_2$	A
animal fats and oils		A
aromatic hydrocarbon	C_8H_{10}	A
ASTM oil #1		A
ASTM oil #2		A
ASTM oil #3		A
benzene	C_6H_6	A
gasoline		A
borax	$Na_2[B_4O_5(OH)_4]\cdot 8H_2O$	A
sugar		A
tar		A
turpentine		A
diesel fuel		A
butylamine	$C_4H_{11}N$	A
methylene chloride	CH_2Cl_2	A
dimethylformamide (DMF)	C_3H_7NO	A
ammonium nitrate	NH_4NO_3	A
potassium nitrate	KNO_3	A
calcium nitrate	$Ca(NO_3)_2$	A
alcohol / ethanol	C_2H_5OH	A
ethyl acetate	$C_4H_8O_2$	A
ethylene glycol	$C_2H_6O_2$	A
phenol	C_6H_5OH	A
formaldehyde	CH_2O	A
ammonium phosphate	$(NH_4)_3PO_4$	A
sodium phosphate		A
furfural		A
glycerin		A
hexane	C_6H_{14}	A
petroleum-based hydraulic fluid		A
hydraulic oils		A
potassium hydroxide	KOH	A
magnesium hydroxide	$Mg(OH)_2$	A
sodium hydroxide	NaOH	A
slaked lime		A
chlorine	Cl_2	A
calcium hypochlorite	$Ca(ClO)_2$	A
chlorobenzene	C_6H_5Cl	A
ammonium chloride	NH_4Cl	A
potassium chloride	KCl	A
magnesium chloride	$MgCl_2$	A

Name of substance	Chemical formula	Resistance level at the temperature of 20 °C
zinc chloride	$ZnCl_2$	A
chloroform	$CHCl_3$	A
isoamyl alcohol	$C_5H_{12}O$	A
isopropyl alcohol	C_3H_8O	A
JP-4		A
JP-5		A
ketone		C
corn oil		A
potassium cyanide	KCN	A
nitric acid	HNO_3	A
hydrofluoric acid		A
phosphoric acid	H_3PO_4	A
hexafluorosilicic acid	H_2SiF_6	C
hydrochloric acid	HCl	A
formic acid	HCOOH	A
acetic acid	CH_3COOH	A
sulfuric acid	H_2SO_4	A
sulfurous acid	H_2SO_3	A
tannic acid		A
methanol	CH_3OH	A
motor oil		A
nitrobenzene	$C_6H_5NO_2$	A
pentane	C_5H_{12}	C
perchloroethylene	C_2Cl_4	A
hydrogen peroxide	H_2O_2	A
kerosene	C_9–C_{16}	A
gear oil		A
vegetable oil		A
sodium chloride solution	NaCl	A
sodium bisulfite solution	$NaHSO_3$	A
calcium chloride solutions		A
sodium acetate solutions	CH_3COONa	A
mercury	Hg	A
SAE 10–50 oils		A
silicone oil		A
ammonium sulfate	$(NH_4)_2SO_4$)	A
potassium sulfate	K_2SO_4	A
carbon disulfide	CS_2	A
salt water		A
ivory soap		A
styrene	C_8H_8	A
hydrogen sulfide	H_2S	A
crude oil		A
raw linseed oil		A

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Name of substance	Chemical formula	Resistance level at the temperature of 20 °C
technical gasoline		A
denatured alcohol		A
tetrahydrofuran	C_4H_8O	A
toluene	$C_6H_5CH_3$	A
transformer oil		A
trichloroethylene	C_2HCl_3	A
sodium carbonate	Na_2CO_3	A
water	H_2O	A
spindle lubricating oil		A
xylene	$C_6H_4(CH_3)_2$	A

Notice:

Due to the large number of chemical substances and the varying conditions of their application and other influencing factors, the chemical resistance chart is intended for guidance only. MLP is designed for rapid response to emergency leak situations and is not intended for permanent containment of chemical substances. To make a valid determination of the chemical resistance level for a specific chemical, we always recommend conducting individual resistance tests. In view of the above, neither the manufacturer nor the distributor assumes any responsibility for potential damages arising from reliance solely on this list without conclusive evaluation and testing by the user.

For a preliminary assessment of MLP's suitability for specific applications, a chemical resistance chart is available. If the substance you are working with is not listed, we will be happy to send you a sample of the material upon request for direct resistance testing. Substances marked with the letter B in the chart already cause some degree of degradation to the material. The extent of degradation depends on the duration of exposure, specific conditions, type, concentration, and temperature of the substance.