

Magnetic Leak Patch MLP (PUR)

Resistance levels:

- A resistant for 7 days
- B slight to severe effects
- C not recommended

Applies to MLP made of polyurethane elastomer.

Name of substance	Chemical formula	Resistance level at the temperature of 20 °C
acetic acid	CH ₃ COOH	B–C
acetone	CH ₃ COCH ₃	C
ammonia	NH ₃	B
ammonium acetate	CH ₃ COONH ₄	B–C
calcium nitrate (diluted)	Ca(NO ₃) ₂	B
ammonium nitrate	NH ₄ NO ₃	B
sodium carbonate	Na ₂ CO ₃	B
aniline	C ₆ H ₅ NH ₂	C
benzene	C ₆ H ₆	C
gasoline		B
methylene chloride	CH ₂ Cl ₂	C
dimethylformamide	C ₃ H ₇ NO	C
ethyl acetate	C ₄ H ₈ O ₂	C
formaldehyde	CH ₂ O	B
hexane	C ₆ H ₁₄	B
hydrogen peroxide	H ₂ O ₂	B
methanol	CH ₃ OH	B
nitric acid	HNO ₃	C
nitrobenzene	C ₆ H ₅ NO ₂	C
phenol	C ₆ H ₅ OH	C
phosphoric acid (concentrate)	H ₃ PO ₄	C
sodium hydroxide (45%)	NaOH	B
sulfuric acid (10–50%)	H ₂ SO ₄	C
toluene	C ₆ H ₅ CH ₃	C
ethylene glycol	C ₂ H ₆ O ₂	B
chlorine	Cl ₂	B
chloroform	CHCl ₃	C
transformer oil		B
SAE 10 oil		A
lubricating oil		B
engine oil		A
ethanol		B
turpentine distillates		B
formic acid	HCOOH	C
isopropyl alcohol	C ₃ H ₈ O	B
sodium chloride	NaCl	B
mercury	Hg	B

Name of substance	Chemical formula	Resistance level at the temperature of 20 °C
potassium cyanide	KCN	B
hydrogen sulfide	H ₂ S	C
styrene	C ₈ H ₈	B
salt water		B
water	H ₂ O	B
kerosene	C ₉ –C ₁₆	B
trichloroethylene	C ₂ HCl ₃	C
ammonium sulfate	(NH ₄) ₂ SO ₄	B
animal fats and oils		B
aqua regia		C
ASTM oil #1		A
ASTM oil #2		A
ASTM oil #3		A
calcium chloride		B
calcium hydroxide (slaked lime)		B
glycerin		B
hydrocarbon oil		B
hydrofluoric acid	HF(aq)	B
JP 4		B
JP 5 & 6		C
magnesium hydroxide	Mg(OH) ₂	A–B
perchloroethylene	C ₂ Cl ₄	C
linseed oil		B
sodium acetate	CH ₃ COONa	B
tannic acid (10%)		B
urea		B
vegetable oil		B
xylene	C ₆ H ₄ (CH ₃) ₂	B–C
zinc chloride	ZnCl ₂	B

Notice:

Material: The polyurethane elastomer is resistant to mineral oils, lubricating greases, gasoline, diesel fuel, and other petroleum products. For an indicative assessment of the suitability of MLP use, a chemical resistance table has been prepared. If you require testing for substances not listed, we can provide a material sample upon request for direct resistance testing. Substances marked with the letter B in this list already cause some degree of material degradation. The extent of degradation depends on the duration of exposure, conditions, type, concentration, and temperature of the substance.

Due to the large number of chemical substances and varying application conditions, this document serves for guidance only. The MLP is designed for rapid response in emergency situations and is not intended for permanent containment of chemical leaks. To make a valid conclusion regarding the degree of chemical resistance to a specific substance, we recommend performing individual resistance tests.

Based on the above information, neither the manufacturer nor the distributor assumes any liability for potential damage that may arise from relying solely on this list without proper verification and testing by the user.

