Xytron™

Xytron™ G4080HRE

PPS-I-GF40

Print Date: 2023-07-25

- not resistant
- limited resistant, tests necessary to verify
- resistant

Disclaimer Chemical Resistance
The chemical resistance data reported here are based on either measured weight/dimensional changes or degree of chemical attack determined from exposure in accordance with one of the relevant established international standards (ISO 175, ISO 11403-3, ISO 4599, ISO 4600, ISO 6252 etc.) or on the supplier´s experiences from successful applications of their products. Due to the application specific nature of the surrounding environment of each part during its service life, the indications provided should be used only for a first assessment; they are not intended to substitute for any testing you may need to conduct. You must make your own determination as to the suitability of this material for your specific application. Users shall in each case conduct evaluations under actual end-use conditions and/or consult with the resin supplier´s technical representatives.

Chemical Resistance

A	✓	Acetone at 23°C
	i	Allyl alcohol at 23°C
	i	Aniline at 23°C
B	i	Benzaldehyde at 23°C
	✓	Brake fluids (DOT 3/4) at 23°C
	✗	Bromine water (saturated) at 23°C
	✓	Butanols at 23°C
	✓	Butyl acetate at 23°C
C	✓	Calcium chloride (10% by mass) at 100°C
	✓	Calcium chloride (10% by mass) at 23°C
	i	Calcium chloride (saturated) at 100°C
	✓	Calcium chloride (saturated) at 23°C
	✓	Calcium chloride (saturated) at 60°C
	✗	Carbon tetrachloride at 23°C
	i	Chlorine gas (dry) at 23°C

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	i	Chlorine gas (moist) at 23°C
	i	Chlorine water at 23°C
	i	Chloroform at 23°C
	✗	Chlorosulfonic acid (10% by mass) at 23°C
	i	Chromic acid (1% by mass) at 23°C
	✗	Chromic acid (10% by mass) at 23°C
	✓	Cyclohexanol at 23°C
D	✓	Dichloroethane at 23°C
	i	Dichlorofluoromethane at 23°C
	✓	Dichlorotetrafluoroethane at 23°C
	✓	Diethyl ether at 23°C
E	✓	Ethyl Acetate at 23°C
F	✓	Fuel; Diesel at 85°C
	✓	Fuel; FAM 1A at 23°C
	✓	Fuel; FAM 2A at 23°C
	✓	Fuel; Gasoline at 85°C
H	✓	Hydraulic fluids at 100°C
	✗	Hydrobromic acid (10% by mass) at 23°C
	✓	Hydrochloric acid (10% by mass) at 23°C
	i	Hydrochloric acid (20% by mass) at 23°C
	✗	Hydrofluoric acid (40% by mass) at 23°C
	i	Hydrofluoric acid (5% by mass) at 23°C
	i	Hydrogen peroxide (0.5% by mass) at 23°C
	i	Hydrogen peroxide (1% by mass) at 23°C
	✗	Hydrogen peroxide (3% by mass) at 23°C
	✗	Hydrogen peroxide (30% by mass) at 23°C
I	✗	Iodine (alcoholic) at 23°C
L	✓	Lubricating oil (gear) at <130°C

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	✓	Lubricating oil (hydraulics) at <130°C
	✓	Lubricating oil (transformers) at <130°C
M	✓	Methanol at 23°C
	✓	Methyl ethyl ketone at 23°C
	✓	Methyl glycol at 23°C
	✓	Methylpyrrolidone at 23°C
N	✓	n-Butyl ether at 23°C
	✓	Nitric acid (10% by mass) at 23°C
	✓	Nitric acid (2% by mass) at 23°C
	i	Nitric acid (20% by mass) at 23°C
	i	Nitrobenzene at 23°C
	i	Nitrobenzene at >100°C
O	✓	Oils (vegatable, mineral, ethereal) at 23°C
	✗	Ozone at 23°C
P	i	Phenol at >40°C
	✓	Phenyl ethyl alcohol at 23°C
	i	Potassium permanganate (1% by mass) at 23°C
	✗	Potassium permanganate (10% by mass) at 23°C
R	✓	Refrigerator oil at 23°C
S	✓	Sewing machine oil at 23°C
	✗	Sodium bichromate (10% by mass) at 23°C
	✗	Sodium bichromate (5% by mass) at 23°C
	✓	Sulfuric acid (2% by mass) at 23°C
	✓	Sulfuric acid (30% by mass) at 23°C
	i	Sulfuric acid (50% by mass) at 23°C
	i	Sulfurous acid (saturated) at 23°C
T	i	Toluene at 100°C
	i	Toluene at 23°C

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	✓	Transformer oil at 23°C
	✓	Trichloroethane at 45°C
V	✓	Vegatable oils at 23°C
X	i	Xylene at 100°C
	i	Xylene at 23°C
Z	✓	Zinc chloride (10% by mass) at 23°C
	✓	Zinc chloride (37% by mass) at 23°C
	✓	Zinc chloride at 23°C