
Chemical Resistance Of Plastics And Elastomers 4th Edition Database Fourth Edition Rubbers Thermoplastics Thermoplastic Elastomers And Thermosets Plastics Design Library

chemical resistance chart - moss rubber and equipment corp. - chemical resistance chart butyl cpe epdm hyp alon hytrel na tural nitrile nylon sbr santoprene teflon uhmw urethane viton xlpe acetaldehyde acetic acid, glacial acetic acid-10% acetic acid-50% acetic anhydride acetic oxide acetone acetone cyanohydrin acetonitrile acetophenone acetyl acetone acetyl chloride acetyl oxide acetylene acetylene di+ ...

chemical resistance chart - jasper - chemical resistance chart introduction corrosion and degradation depend on many parameters: • temperature • pressure • concentration • impurities • ph-value • materials and surfaces characteristics • joinings (e.g weldings, soldering) • mechanical stress of materials

chemical resistance chart - plastic buckets - chemical resistance data these recommendations are based upon information from material suppliers and careful examination of available published information and are believed to be accurate. however, since the resistance of metals, plastics and elastomers can be affected by concentration, temperature, presence of other chemicals and other factors.

chemical resistance guide - everything inside the fence - properties such as high chemical resistance, wide application temperature range, good uv resistance (i.e. unaffected by sunlight long term), excellent abrasion resistance, smooth inner surfaces (low pressure losses, resistant to deposits or bacterial buildup), excellent insulating properties and low permeability.

chemical resistance chart for hdpe (high density polyethylene) - chemical resistance chart for hdpe (high density polyethylene) the chemical resistance chart below is a general guide only. please contact menda for specific applications. acetaldehyde - gf diethyl benzene - fn methyl ethyl ketone - nn acetamide, sat. - ee diethyl ether - fn methyl-y-butyl ether - fn

chemical resistance guide - gilson eng - materials are used for the layers. layered composite material pipe may have chemical resistance that differs from the chemical resistance of the individual material. such resistance however, is a function both of temperatures and concentration, and there are many reagents which can be handled for limited temperature ranges and concentrations.

chemical resistance guide - fillrite - chemical resistance guide this chemical resistance guide is based on numerous resources and is believed to be accurate and reliable to the best of our knowledge. it is intended to be used as a guide in selecting materials for appropriate chemical compatibility.

mrpex tubing - chemical resistance - the table only indicates the resistance to the actual chemical. it does not provide information about the possible diffusion of the chemical into the material, or through the material. chemical concentration

chemical resistance chart acetaldehyde - alcohols (propyl) - chemical resistance chart acetaldehyde - alcohols (propyl) chemical resistance data these recommendations are based upon information from material suppliers and careful examination of available published information and are believed to be accurate. however, since the resistance of metals, plastics and elastomers

chemical compatibility guide - graco - compatibility chemical compatibility chemical compatibility guide the following information is intended to be used as a general guideline for pump material selection. the information accuracy of these ratings cannot be guaranteed, nor is it a complete list due to the extensive area of this field. materials used in the

general chemical resistance guide - warco - y the general chemical resistance of various elastomers this chart is offered as a general guide, including the suitability of various elastomers for service in these chemicals and fluidse ratings are based for the most part, on published literature

cpvc chemical resistance guide - ipexna - materials are used for the layers. layered composite material pipe may have chemical resistance that differs from the chemical resistance of the individual material. such resistance however, is a function both of temperatures and concentration, and there are many reagents which can be handled for limited temperature ranges and concentrations.

chemical resistance charts - process controls and ... - equipment for appropriate chemical compatibility. before permanent installation, test the equipment with the chemicals under the specific conditions of your application. for further information, see pages 18 and 19 in this catalog. ratings of chemical behavior listed in this chart apply to a 48-hour

chemical resistance guide 12-10-13 - val-matic valve & mfg - its resistance to chemical and corrosion attack is well documented, due to its use in various applications throughout most industries, such as oil and gas. pressures up to 6000psi and temperatures from -50°f to 250°f can be obtained. chemraz® a high temperature perfluoroelastomer with superior physical properties and chemical resistance.

chemical resistance table chemical resistance - chemical resistance table e chemical resistance table the following table gives qualitative information as to the resis-tance of pvdf (polyvinylidene fluoride), pp (polypropylene), and hdpe (high density polypropylene) to specific chemicals under various conditions. the values given correspond to the most

chemical resistance chart - fme lighting - contained herein. this chemical res is tance chart is to be used as a guide only. there is no warranty expressed or implied and the final determination of material suitability is the responsibility of the user. material description pvc polyvinyl chloride cpvc chlorinated polyvinyl chloride pp polypropylene pvdf polyvinylidene fluoride (kynar 1 ...

kimberly-clark nitrile

gloves - dartmouth - chemical resistance guide kimberly-clark* nitrile gloves. it all adds up rightcycle* by kimberly-clark professional* is an innovative recycling program that diverts waste from landfills and helps you achieve, or even exceed, your organization's sustainability goals. rightcycle* will turn your used garments and

cpvc chemical compatibility & resistance chart - cpvc chemical compatibility & resistance chart explanation of footnotes 1. satisfactory to 72°f (22°c) 2. satisfactory to 120°f (48°c) ratings -- chemical effect • a = excellent. • b = good -- minor effect, slight corrosion or discoloration. • c = fair -- moderate effect, not recommended for continuous use. softening, loss of strength ... **chemical resistance and chemical applications** - a key difference between pvc and cpvc chemical resistance is in the area of ammonia and amine chemistries. in most cases, cpvc will outperform pvc in both its chemical and temperature resistance. however, pvc exhibits generally good resistance to ammonia and some amines, even at somewhat elevated temperatures. **316l stainless steel chemical compatibility chart from ism** - 316l stainless steel chemical compatibility chart ver 11-dec-2018 industrialspe key to general chemical resistance [all data based on 72 ° (22 °c) unless noted] explanation of footnotes 1 - satisfactory to 120° f (48° c) **chemical resistance - victrex** - chemical resistance victrex peek polymers key and interpretation test bars of unfilled peek were immersed in chemicals at constant temperature for a minimum of 7 days (concentrated, unless otherwise stated). chemical compatibility was assessed via retention of mechanical properties, supplemented by weight or dimensional changes when applicable. **chemical resistance of epoxy to common chemicals** - chemical resistance of epoxy to common chemicals epoxy (polyepoxide) is an epoxide polymer that cures when mixed with a catalyzing agent or "hardener". epoxy resin have an excellent electrical, thermal, and chemical resistance. it is common to increase the strength of epoxy with fibrous reinforcement or mineral fillers. **pvc chemical resistance guide - ipexna** - ipex chemical resistance guide for pvc i thermoplastics and elastomers have outstanding resistance to a wide range of chemical reagents. the chemical resistance of plastic piping is basically a function of the thermoplastic material and the compounding components. in general, the less compounding components used the better the chemical resistance. **industrial hose chemical resistance charts** - the continental contitech chemical resistance chart is to be used as a guide only. a the chemical is expected to have minor or no effect on the product. product may be used for continuous service. changes in working conditions, such as concentration of the chemical or temperature, may affect product performance and cause degradation of the product. **nibco chemical resistance guide for valves & fittings** - this chemical resistance guide has been compiled to assist the piping system designer in selecting chemical resistant materials. the information given is intended as a guide only. many conditions can affect the material choices. careful consideration must be given to temperature, pressure and chemi-

polypropylene chemical resistance guide - hmc polymers - product enquiries: sales@hmcpolymers 06.2012 polypropylene chemical resistance 4/9 technical information by using any technical information contained herein, you agree that said technical information is given for convenience only, without any warranty or guarantee of any kind, and is accepted and used at your sole risk. **chemical resistance of garlock compressed sheet & gylon** - chemical resistance of garlock compressed sheet & gylon® a general guide for selection of gasketing material, rev. june 2017 if fire resistant gaskets are required please consult fire tests under gasket terms, or contact applications engineering. medium **chemical resistance chart of plastics (at curbell plastics)** - chemical resistance (continued) ©2018 curbell plastics, inc. unauthorized use is strictly prohibited. all other trademarks, service marks and logos used herein are property of their respective owners. all rights hereto are retained by curbell plastics and any third party owners of such rights. **chemical resistance of polypropylene and polyethylene** - generally speaking, the chemical resistance of polypropylene and polyethylene is considered superior to that of met-als. they are unaffected by most inorganic acids, alkalis, and aqueous solutions which rapidly corrode metals, although some concentrated acids and oxidizing agents can attack them, especially at elevated temperatures. **chemical resistance guide c hemical r - hayward flow control** - chemical resistance guide, continued a = excellent, no effect • b = good, minor effect • c = fair, data not conclusive, testing recommended • x = not recommended. ratings are based on testing at an ambient temperature of 70°f. the chemical resistance table is for reference only. end users should test to determine application suitability. **chemical resistance guide - finemech** - offers poor chemical resistance. the pvc used for chemline valves is identified by cell classification number 12454-a as per astm standard d 1784. suffix "a" refers to the highest chemical resistance rating. most other pvc valves as well as pipe and fittings have only a "b" chemical resistance rating. the special pvc **chemical resistance guide - primary fluid** - chemical resistance. it is suitable for applications up to 200°f [95°c]. cpvc corzan is a highquality and durable - compound of cpvc, which outlasts most other cpvc compounds. [corzancpvc] available for the majority of our product lines. abrasion resistance along with good chemical resistance. cpvc **chemical resistance guide - dow elibrary** - interpretation of chemical resistance tables the information pertaining to chemical resistance is intended to serve as a gen-eral guide. the information listed does not take into account all variables than can be encountered in actual use. thus, it is advisable to test material under actual or simulated service conditions. **a guide to chemical resistance of engineering plastics** - possible to get an idea of the chemical resistance based on the type of chemical product. based on its structure you can classify the reagent into one of the chemical groups figuring in table ii on page 25: aldehydes, ketones,

inorganic acids... of course, to do so, some chemistry knowledge is required. **kimberly-clark nitrile glove chemical resistance guide** - kimberly-clark* nitrile glove chemical resistance guide the science of protection. for additional information on choosing the right chemical glove for your application, please visit our chemical resistance database at: **chemical resistance in general use** - chemical resistance in general use resistant = compatible limited resistance = not compatible not resistant = not compatible nickel sulphate x nitric acid, to 20% x nitric acid, 20-70% x nitric acid, over 70% x oxalic acid x paraffin x perchloroethylene x petroleum ether x phenols x phosphoric acid, to 10% x phosphorus x **chemical resistance of nylon 6 and nylon 66** - chemical resistance of vydyne nylon resins (nylon 66) table 1 - behavior of vydyne® nylon resins (nylon 66) toward organic solvents at room temperature reagent visual change ratings benzyl alcohol coarse surface after 2 days nr butyl alcohol temporary loss of stiffness g ethyl alcohol temporary loss of stiffness g **kynar pvdf chemical compatibility resistance chart** - kynar (pvdf) chemical compatibility & chemical resistance chart explanation of footnotes 1. satisfactory to 72°f (22°c) 2. satisfactory to 120°f (48°c) ratings -- chemical effect • a = excellent. • b = good -- minor effect, slight corrosion or discoloration. • c = fair -- moderate effect, not recommended for continuous use. softening ... **chemical resistance chart for metal - arc industrial coatings** - chemical resistance chart for metal ambient temperature and maximum concentration apply, unless otherwise noted. page 2 of 8 * post cure note 1 5 10 s2 s4+ sd4i 855 858 bx1 bx2 mx1 mx2 bx 5 ibx1 ibx1rc ht-t s7/s7ar t7ar **chemical resistance chart of plastics** - plastics - chemical resistance chart material formula acids - concentrated acids - dilute alcohols alkalis aromatic hydrocarbons greases and oils halogenated hydrocarbons halogens ketones cellulose acetate butyrate cab - fair-poor poor fair-poor poor good-poor poor poor poor ethylene-chlorotrifluoroethylene copolymer **materials chemical compatibility guide - trelleborg** - chemical compatibility guide fkm (perfluoro rubber) perfluoroelastomers show broad chemical resistance similar to ptfе as well as good heat resistance. they show low swelling with almost all media. depending on the material the operating temperatures range between -25 °c/-13 °f and +240 °c/+464 °f special types can be used **chemical resistance chart - imi precision** - littleton, co usa phone 303-794-2611 fax 303-795-9487 chemical resistance chart n pur pe picric acid 3 2 - potassium acetate (aq) - 4 - potassium chloride (aq) - 1 1 **chemical compatibility table - geotech environmental** - referencepages 1-800-833-7958 geotechenv fax303-322-7242 sales@geotechenv chemicalcompatibilitytable for all non-metals for metals r=resistant e