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ENGINEERING DATA

TEMPERATURE

Thermoplastics & Elastomers:

Material	General Chemical Resistance	Max. Permissible Temperature (Water)	
		Constant	Short-Term
Polyvinyl Chloride PVC	Resistant to most Solutions of acids, alkalis, and salts and to organic compounds miscible with water.	140 °F/ 60 °C	140 °F/ 60 °C
Chlorinated Polyvinyl Chloride CPVC	Similar properties to PVC, but with increased temperatures	195 °F/ 90 °C	230 °F/ 110 °C
Polypropylene PP	Resistant to water solutions of acids, alkalis and salts as well as to many organic solvents. Unsuitable for concentrated oxidizing acids	195 °F/ 90 °C	230 °F/ 110 °C
Polyvinylidene Fluoride PVDF	Resistant to acids, aliphatic, aromatic & chlorinated hydrocarbons, alcohols & halogens Conditionally for ketones, esters, ethers, alkaline soln. & bases	285 °F/ 140 °C	300 °F/ 150 °C
Polytetrafluoroethylene PTFE	Resistant to all chemicals tested	480 °F/ 250 °C	575 °F/ 300 °C
Butyl Rubber EPDM	Good resistance to aggressive chemicals. Unsuitable for oils & fats.	190 °F/ 90 °C	248 °F/ 120 °C
Fluorine Rubber Viton	Has best chemical resistance to solvents of all elastomers	300 °F/ 150 °C	393 °F/ 200 °C

Note: Please consult our complete chemical resistance chart for specific chemical properties.