

Chemical Resistance Guide

Many new materials have been developed to handle the wide range of modern chemicals being used in industry today. Many of these materials are now being used in the construction of Kuri Tec® hose and tubing products.

The following guide has been prepared to assist the user in the selection of the correct hose for the application. The recommendations are based on the best chemical data available at the time of printing. This guide will be continuously reviewed and new information added as it becomes available.

A material's resistance to the effects of a chemical depends not only upon the particular chemical, but also on other factors such as length of exposure, service temperature, pressure, fluid velocity, and the relative concentration of each component in multi-component mixtures. Therefore, no guarantee is expressed or implied.

The chemical resistance ratings for materials are based on pure material samples and may not take into account specific factors related to the material when used in a hose or tube. It is always advisable that the product be tested under actual conditions.

Additionally, the Chemical Resistance Guide which follows does not imply conformance to any food handling regulations or federal or state/provincial laws governing hose and tubing applications.

Before using any Kuri Tec hose/tubing product with any chemical substance the user must determine the suitability of the product for his/her intended use. The user assumes all risk and liability for the use of any Kuri Tec product with any chemical or other substance.

Key to Chemical Resistance Guide Ratings

- E = Excellent — Little or no effect due to exposure to the chemical.
- G = Good — Satisfactory service expected, but some deterioration may occur after lengthy exposure or under extreme conditions.
- L = Limited — Variable resistance depending upon the conditions of use (e.g. nature of the chemical, its concentration, service temperature, pressure, etc.).
- U = Unsuitable — Not resistant. Not recommended for use under any conditions.
- C = Cautionary — Although the chemical resistance of the material may be good, special factors exist that must be considered in hose applications, such as regulatory issues, permeation of vapors, and safety, health or environmental concerns.