

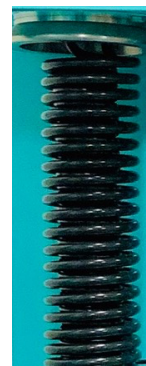
A. Material for EcoChyll Condensers

EcoChyll condensers are made of stainless steel 316 metallic alloy and coated with chemical resistance Halar (ECTFE). Halar is virtually unaffected by most corrosive chemicals commonly encountered in industry. Among those substances that Halar fluoropolymer is resistant to are strong mineral and oxidizing acids, alkalis, metal etchants, and most organic solvents except hot amines (e.g. aniline, dimethylamine).¹ <https://www.solvay.com/en/brands/halar-ectfe>

Table 2. Halar Chemical Resistance Examples

	Test Temp (°F)	Halar ECTFE
Organic Solvents		+
ACIDS		
98% Sulfuric Acid	220	+
37% Hydrochloric Acid	220	+
BASES		
50% Sodium Hydroxide	220	+
50% Sodium Hydrosulfide	220	+
OXIDERS		
50% Sodium Chlorate	200	+
100 Chlorine (anhydrous)	200	S

+: Unaffected
S: Slightly Affected
¹Solvay Solexis, Inc.



Halar coated stainless steel condenser

B. Silicone tubing for vapor hoser, vacuum pump and liquid transfer

Table 6. Product Datasheet

Product Name	Silcon®
Material	Silicone
Product Type	Unreinforced Silicone Tubing - Peroxide Cured
ID	.375 (3/8)
OD	.750 (3/4)
Wall	.188 (3/16)
Available Lengths	100
Working PSI (at 70°F)	15[T]
Max Operating Temp(°F)	500 (NSF Max Operating Temp, 350°F)
Brittle Temp(°F)	-100
Opacity	Translucent
Colors	Natural
Applications	Appliances, Beverage, Computer Manufacture, Deionized Water Transfer, Dental, Duplicating Equipment, Food, Gaskets, Seals, & 'O'-Rings, Hot Water Feeds, Insulation Sleeves, Laboratory, Medical, Peristaltic Pumps, Thermal Protection
Description	Unreinforced Silicone Tubing
Product Certifications	NSF-51 listed for food equipment materials[U]
Material Compliancy	3A, Animal-Derived Ingredient Free, BPA Free, FDA 21 CFR 177.2600, Latex Free, Phthalate Free, RoHS