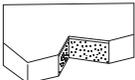


# Choose the Perfect Countertop for Your Workspace

**Sargent-Welch can help!**

**Use this guide to select your preferred countertop.**

	Materials	Composition	Properties	Chemical Resistance	Heat Resistance	Use with Fume Hood	Construction	Standard Color	Impact/Abrasion Resistance
<b>Good</b>	<b>Plastic Laminate</b> 	High-pressure laminate mounted to solid particle board, 1" total thickness	Highly resistant to scratching, limited resistance to high temperatures and certain chemicals	Fair for most acids, alkalis, and solvents, but not very strong for reagents and corrosives	Fair. No open flame	No	Wood core with laminate	Black	Fair
<b>Better</b>	<b>ChemGuard®</b> 	Chemically-resistant, high pressure laminate mounted to a wood core, 1 1/4" thick	Low moisture, wear, and some heat resistance	Moderate chemical resistance	Fair. No open flame	No	Wood or paper core with acid resistant laminate.	Black	Fair
<b>Best</b>	<b>Trespa*</b> 	Homogenous panel of solid phenolic core with electron beam cured resin décor, 1" thick	Optimum chemical resistance, easy to clean and disinfect	Excellent resistance to acids, alkalis and solvents	Fair. No open flame	No	Cellulose fiber reinforced phenolic core and integrated decorative surface.	Black	Fair
	<b>Epoxy Resin</b> 	1" thick solid epoxy resin	Optimum physical, heat, and chemical resistance	Excellent resistance to acids, alkalis, and solvents	Excellent	Yes	Solid epoxy with inert fillers	Black	Excellent

**Good** – 1-1/4" High Pressure Plastic Laminate is widely used for student tables. It offers an excellent work surface that wears exceptionally well under normal use. Plastic Laminate has a superior resistance to scratching, with limited resistance to high temperatures and severe chemicals. Top construction consists of permanently bonding a .050 thick sheet of ARP High Pressure Laminate to a 45 lb. density industrial grade particle board core, bottom is covered with a .040" thick phenolic backer sheet to properly balance the resulting panel, maximizing its resistance to warping. Technical data: exceeds 1800 wear cycles and 66 inches impact resistance. Edges of top are finished with vandal resistance T-Molding. Color: black

**Better** – 1-1/4" ChemGuard® incorporates the decorative features of high pressure laminate into a durable, chemical resistant surfacing material. Tests prove ChemGuard® has outstanding chemical resistance, plus significantly better NEMA wear value than competitive laminates. ChemGuard® even has a Class 1 fire rating. A 3mm PVC molding is applied with a heat sensitive adhesive to create an attractive waterproof and durable edge. Color: black

**Best** – 1" Phenolic (Trespa) Resin is a composite thermo-fused under heat and pressure to form a solid black chemical resistant composite throughout the entire thickness of the top. It is designed for use as counter tops, pegboards and reagent racks. Phenolic Resin will not stain or etch when exposed to most chemicals or solvents. Phenolic Resin exhibits no effect when subjected to these common laboratory chemicals: Nitric Acid 30%, Acetic Acid 98%, Hydrofluoric Acid 48%, Sulfuric Acid 33%, Methyl Ethyl Ketone, Phosphoric Acid 85% and others. Color: black

**Best** – 1" Solid Epoxy Resin is impervious to normal laboratory chemicals and heat. It's monolithic composition eliminates the possibility of swelling, delamination, and exposure to the substrate. It's soft, low glare surface is simple to clean. Solid Epoxy Resin exhibits no effect when subjected to these common laboratory chemicals: Nitric Acid 70%, Acetic Acid (glacial), Hydrofluoric Acid 20%, Sulfuric Acid 60%, Methyl Alcohol, Toluene, Benzene, and others. Solid Epoxy Resin is solid, homogeneous, molded from modified epoxy resins, completely oven cured during processing. It is extremely durable and completely impervious to moisture. Exposed edges and corners are finished with a 1/8" bevel. Color: black

For help with counter selection or any step of your furniture project, contact your personal Account Manager. You can find their contact information at [sargentwelch.com](http://sargentwelch.com).

**Sargent-Welch is here to help you with every step of your furniture project from start to finish.**

**Sargent-Welch** Everything for Science from Start to Finish  
 P.O. Box 4130 • Buffalo, NY 14217 • 800-727-4368 • [www.sargentwelch.com](http://www.sargentwelch.com)