

Lab Glassware and Plasticware Specifications

This chart will help you select the glassware or plasticware that fits your laboratory needs. Consider all applications and usages to ensure you purchase the most appropriate and versatile product.



Name	Transparency	Chemical Resistance	Max Working Temp (°C/°F)	Break Resistance	Microwave Safe	Autoclavable
Borosilicate Glass	Clear	Excellent	230/446	Breakable	Yes	Repeatedly
Flint Glass	Clear	Excellent	100/212	Breakable	Yes	No
High-Density Polyethylene (HDPE)	Translucent	Good	120/248	Good	No	No
Low-Density Polyethylene (LDPE)	Translucent	Good	80/176	Good	Yes	No
Polycarbonate (PC)	Clear	Poor	135/275	Good	No	Limited
Polymethylpentene (PMP)	Clear	Good	175/347	Fair	Yes	Repeatedly
Polypropylene (PP)	Translucent	Excellent	135/275	Excellent	Yes	Repeatedly
Polystyrene (PS)	Clear	Poor	90/194	Fair	No	No
Polyvinylchloride (PVC)	Clear	Fair	70/158	Fair	Yes	No

Note: Carolina and Pyrex® (Corning®) products are borosilicate glass.