

Leak Resistant Bottles

- High or low density polyethylene or polypropylene
- Superior double seal closure for leak resistance
- Amber or natural color
- Available in narrow or wide mouth

Wide Mouth Blake Packer

- High density polyethylene, natural color
- Good chemical resistance
- Wide mouth is ideal for solid samples
- Blake design maximizes storage space

Wide Mouth Container, Polypropylene

- Durable container with good chemical resistance
- Polypropylene container with linerless cap is autoclavable

Cylinder Round Bottles

- High density polyethylene
- Available in white or natural
- Good chemical resistance
- Narrow mouth is ideal for liquids

Sterile PETG Media Bottles

- Excellent gas barrier properties, ensuring pH stability
- Sterile, tamper-evident seal ensures product integrity prior to use
- Meets ISO 10993 and/or USP Class VI biocompatibility requirements
- Recommended temperature range 70°C to -40°C

Sterile PET Media Bottle

- Polyethylene terephthalate
- Permanent in-mold graduations
- Supplied with caps pre-attached and shrink wrapped in convenient trays

Packageability of Plastic Containers

Requirement	PC	PE	PET	PETG	PP	PS	PVC
Lightweight	6	2	5	5	1	3	6
Clarity	1	3	1	1	2	1	1
Toughness	3	1	2	1	3	9	8
Water Adsorption	6	2	3	3	2	4	2
Water Vapor Permeability	6	2	5	4	2	5	4
CO ₂ Permeability	7	6	2	3	5	9	3
O ₂ Permeability	7	7	2	3	6	8	2
Resistance: Acids	4	2	4	4	2	4	2
Resistance: Alkalis	7	2	5	5	2	2	2
Resistance: Oils	4	4	2	2	3	4	2
Resistance: Solvents	3	3	2	2	3	6	4
Resistance: High Humidity	6	1	1	1	1	1	1
Resistance: Sunlight	4	4	1	2	4	5	5
Resistance: Heat (hot fill)	1	3	1	1	2	5	1
Resistance: Cold	1	1	2	2	4	5	9

This chart is a generalization to aid in selection; there are many forms, thicknesses and various copolymers and additives available. The lower the number, the better the property. 1=Excellent; 9=Poor. (PE Properties are similar for HDPE & LDPE.)