











Chemical Resistance and Physical Properties

 Excellent resistance, no attack.
  Good resistance, minor attack.
  Limited resistance, moderate attack, suitable for short term use only.

 Poor resistance, not recommended.
  No information available.

Transparency
 Clear
  Translucent
  Opaque

Flexibility
 Excellent
  Rigid



	LDPE	HDPE	PP	PPCO	PS	ACRYLIC	PTFE	PMP	PVC	PC	PFA
Acids - dilute											
Acids - concentrated											
Alcohols											
Aldehydes											
Bases											
Esters											
Hydrocarbons Aliphatic											
Hydrocarbons Aromatics											
Hydrocarbons Halogenated											
Ketones											
Oils, Minerals											
Oil, Vegetable											
Oxidizing Agents											
Max Temp. °C	80	120	135	121	70	90	300	145	70	130	270
Min Temp. °C	-50	-100	0	-40	0	-60	-200	0	-25	-135	-260
Autoclavable	NO	NO	YES	YES	NO	NO	YES	YES	NO	YES	YES
Microwavability	YES	NO	YES	YES**	NO	NO	YES	YES	YES	YES**	YES
Gas Sterilization	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Dry Heat Sterilization	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	YES
Gamma Irradiation Sterilization	YES	YES	NO	NO	YES	YES	NO	YES	NO	YES	YES
Chemical Disinfectant Sterilization	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES	YES
Transparency	TL	TL	TL	TL	C	C	O	C	C	C	TL
Flexibility	EX	R	R	R	R	R	R	R	R	R	R
Gas Permeability N ₂	20	3	4.4	4.2	3	-	-	65	0.4	3	-
Gas Permeability CO ₂	280	45	92	65	75	-	-	-	10.2	85	-
Gas Permeability O ₂	60	10	28	24	15	-	-	270	1.2	20	-
Water Absorption %	<0.01	<0.01	<0.02	<0.02	0.05	0.3	0.3	<0.01	0.06	0.35	<0.03
Resistivity Ohm CM ²	>10 ¹⁵	>10 ¹⁵	>10 ¹⁶	>10 ¹⁶	>10 ¹⁶	>10 ¹⁴	>10 ¹⁸	>10 ¹⁶	<10 ¹⁶	2x10 ¹⁶	10 ¹⁸
Non-Cytotoxicity*	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Specific Gravity	0.92	0.95	0.90	0.90	1.05	1.18	2.2	0.83	1.34	1.20	2.16

* "YES" is based on the material being determined to be non-cytotoxic based on USP and ASTM biocompatibility testing standards using an MEM elution technique on a W138 human diploid lung cell line.

** Material will absorb heat.