

## Material Characteristics

	Thickness	Use Temp. Range	Abrasion Resistance	Clarity	Water Absorption	Weatherability	Chemical Resistance
<b>Polyester (Clear)</b>	.005	-40F TO +150F	Good	Exc.	Exc.	Exc.	Exc.
	.007						
	.010						
<b>Polyester (Matte)</b>	.005	+150F	Good	Poor	Exc.	Exc.	Exc.
	.007						
	.010						
<b>Polycarbonate* (Clear)</b>	.005	-40F TO +150F	Poor	Exc.	Exc.	Good	**
	.007						
	.010						
<b>(Textured Light Gr.)</b>	.005	+150F	Exc.	Exc.	Exc.	Good	**
	.007						
	.010						
<b>(Textured Heavy Gr.)</b>	.010		Good	Exc.	Exc.	Good	**

\* Clear Polycarbonate is also available in: .015, .020, .030 thickness

\*\* See Chart By Chemical

## CHEMICAL RESISTANCE CHART

### Polycarbonate: Chemical

	No Effect	Partly Soluble/Swells	Soluble	Chemically Attacked
Acetic Acid, 5%	X			
Acetone		X		
Ammonium Hydroxide, 10%				X
Benzene		X		
Carbon Tetrachloride		X		
Chloroform			X	
Cresol			X	
Detergent Solution, 2%	X			
Ether	X			
Ethyl Acetate		X		
Ethyl Alcohol	X			
Ethylene Glycol	X			
Freon 22 (Bomb)		X		
Gasoline (Surface Etched in Hi-Test)	X			
Hydrochloric Acid, 10%	X			
Hydrochloric Acid, 1%	X			
Lubricating Oils	X			
Methyl Alcohol	X			
Methylene Chloride			X	
Nitric Acid, 10%	Yellows			
Nitrobenzene		X		
Ozone, 1%				X
Phenol, 5%	X			
Phosphoric Acid, 10%	X			
Salt Solution, 10%	X			
Soap Solution, 5%	X			
Sodium Hydroxide, 10%				X
Sulphuric Acid, 10%	X			
Sulphuric Acid, 1%	X			
Toluene		X		
Transil Oil	X			

Exposure: Immersed one month at room temperature