



## Typical Properties of ViziPlexx™ IV

### Density

g/cc 1.07

### Impact Resistance

-MIL-STD-662F Ballistics Test  
22 cal. 17 grain FSP, V50  
0.25 inch thick 1109 ft/sec\*  
-9mm, 124gr, FMJ @ ~1090ft/sec Embedded/no cracks\*\*  
1" thick sample  
-357mag, 158gr, JSP @~1190ft/sec Embedded/no cracks\*\*  
1" thick sample

### Optical

Light Transmission, % (>460nm) >88.0  
Refractive Index 1.52  
Abbe Number 48\*\*\*

### Physical Properties

Shore D Hardness 84+/- 1  
Tensile Strength, psi (ASTM D638) 5600  
Tensile Modulus, psi (ASTM D638) 154,000  
Elongation, % 110  
Flexural Modulus, psi (ASTM D790) 138,000  
Vicat Softening Temperature, °C 184

### Solvent Resistance

Acetone excellent  
Diesel Fuel excellent  
Hydraulic Fluid excellent

\*Polycarbonate = 889 ft/sec

\*\*See photos

\*\*\*Polycarbonate = 30