

Properties of Black Glass

	Unit	Value
<u>Mechanical</u>		
Density	g/cm ³	3.21 (3.17)
Hardness	Kg/cm ²	530
Compressive Strength	Kg/cm ²	7775
Tensile Strength	Kg/cm ²	570
modulus of elasticity	Kg/cm ²	6 x 10 ⁵
<u>Thermal</u>		
Deformation Temperature	°C	495
Maximum Working Temp.	°C	297
Specific Heat	j/Kg K	610
Thermal Conductivity	W/Km	0.76
Water resistance capacity	ml 0.01 n HCL/g Hydrolytic class	0.47 3
<u>Optical</u>		
optical refraction	ne	1.52