



# rez glass<sup>®</sup>

Cast acrylic sheet

Test	Method	Result
<b>Physical</b>		
Density	GB/T 7134-2008 Section 6.9.1 & GB/T 1033.1-2008 Method A	1.182 g/cm <sup>3</sup>
Water (24Hrs) Absorption	0.30%	
<b>Mechanical</b>		
Flexural Strength	GB/T 7134-2008 Section 6.5.1 & GB/T 9341-2008 and clients requirement	136 MPa
Rockwell Hardness	GB/T 7134-2008 Section 6.5.4 & GB/T 3398-2008	113 HRL
Tensile Strength	GB/T 7134-2008 Section 6.5.2 & GB/T 1040.1-2006 & GB/T 1040.2-2006	70.8 MPa – 4.0%
Rupture Strength		1050Kg.cm <sup>2</sup>
Shear Strength		630Kg/cm <sup>2</sup>
Yield Strength		1260Kgcm <sup>2</sup>
Specific Gravity		1.19-1.20
<b>Optical</b>		
Total Luminous Transmittance	GB/T 7134-2008 Section 6.8.1 & GB/T 2410-2008 Method A	93.3%
Refractive Index		1.49
<b>Thermal</b>		
Heat Distortion Temperature		100°C
Thermal Forming Temperature		140°C-180°C
Coefficient of Linear Thermal Expansion		6*10 <sup>^(-5)</sup> cm/cm/°C
<b>Electrical</b>		
Dielectric Strength		20Kv/mm
<b>Fire</b>		
Fire rating (test carried out on a 3mm specimen).		3Y