AGC Flat Glass(Thailand) Public Company Limited
Amata City Industrial Estate, 7/104 Moo 4, Highway No.331, Map Yang Phon, Pluak Daeng, Rayong 21140
Tel. (038) 956-070-84 Fax. (038) 956-061

Glass composition and properties

			Extra Clear Float Glass (EJFL)	
			Control range	Analysis result example
Composition	SiO_2	[wt%]		71.61
	Al_2O_3	[wt%]		1.83
	CaO	[wt%]		7.48
	MgO	[wt%]		4.99
	Na_2O	[wt%]		13.76
	K_2O	[wt%]		0.05
	SO_3	[wt%]		0.24
Specific Gravity				2.50
Young's Modulus		[G.Pa]		
Modulus of regidity		[G.Pa]		
Poisson's Ratio				
Softening Point		[°C at $\log_{10}\eta$=7.65]		712
Annealing (Transfprmation) Point		[°C at $\log_{10}\eta$=13.4]		
Strain Point		[°C at $\log_{10}\eta$=14.5]		
Specific heat		[J/(kg·K)] (at 0~50°C)		
Thermal conductivity		[W/(m·K)]		
Coefficient of linear expansion		[x 10^{-6}/°C (K)]		
	50~300°C			
	50~350°C			
Transmittance	at 550nm	1.1t		> 91%
Refractive index		(589.3nm)		
Reflectivity		[%]		
Water resistance		[(Na_2O)mg]		

* Properties are controled by controling composition.
* Composition is analyzed by AFT's X ray analyzer.

Remark: The information above is just for general information regarding AFT glass and they are not specified as the guaranteed values.

9th January 2009
AFT Rayong Factory
Quality Assurance Department