

Test Report

Report No: 20101L00107

Page 2 of 2

No.	Test items	Standard index	Test results	Individual conclusion	Test standard/method	
1.	Water absorption	————	0.01 %	————	GB/T 3810.3-2006	
2.	Bulk density	————	2.51g/cm ³	————		
3.	Specular gloss	≥85	92	Pass	JC/T 872-2000	
4.	Bending strength	≥30MPa	46MPa	Pass		
5.	Moh's hardness	Class 5~6	Class 5	Pass		
6.	Thermal shock resistance	No crazing	No crazing	Pass		
7.	Compression strength	————	292MPa	————	JC514.1-1993	
8.	Impact toughness	————	1.78kJ/m ²	————		
9.	Linear thermal expansion	————	$7.1 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$	————	GB/T3810.8-2006	
10.	Abrasion resistance	————	91mm ³	————	GB/T3810.6-2006	
11.	Resistance to staining	————	Class 5	————	GB/T3810.14-2006	
12.	High temp. resistance	————	No cracking, crazing, blistering	————	JC 908-2002	
13.	Heat up resistant	————	No cracking, crazing, blistering	————		
14.	Radionuclides (A class)	Internal exposure index I_{Ra}	≤1.0	0.2	Pass	GB6566-2001
		External exposure index I_r	≤1.3	0.3	Pass	

Remarks: