

## 葉蠟石 (Pyrophyllite)

### PR-FJ02 (for tile 磁磚用)

**Product** : Pyrophyllite      **Sample No.** : Hole3 1-17  
**Test Date** : 2015/8/14      **Test Method** : GB/T4734-1995 , DHF82  
**Sample Type** : granule      **Test Quantity** : 500g

#### ➤ Specification

Item	Result
SiO <sub>2</sub>	76.94
Al <sub>2</sub> O <sub>3</sub>	17.75
MgO	0.01
CaO	0.15
Fe <sub>2</sub> O <sub>3</sub>	0.94
TiO <sub>2</sub>	0.35
K <sub>2</sub> O	0.15
Na <sub>2</sub> O	0.01
L.O.I	3.54

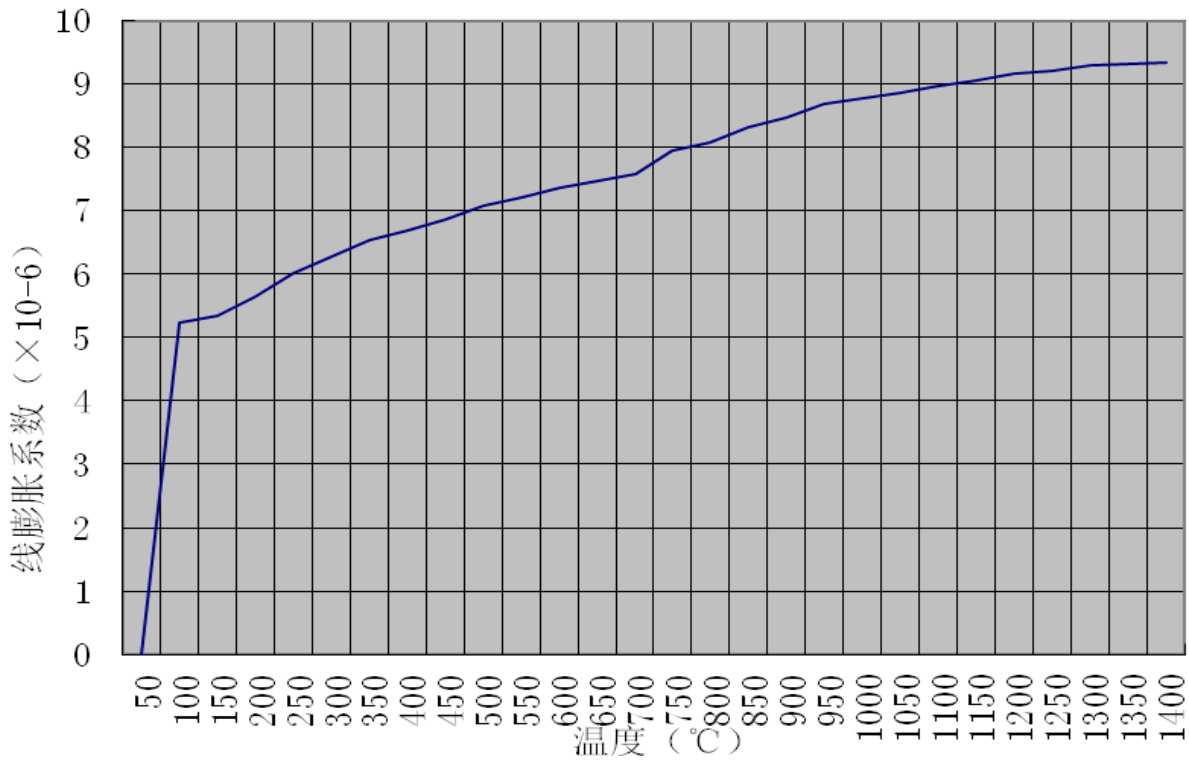
**Country of Origin : China**

## 材料膨脹係數測試報告(CTE Analysis)-PR-FJ02

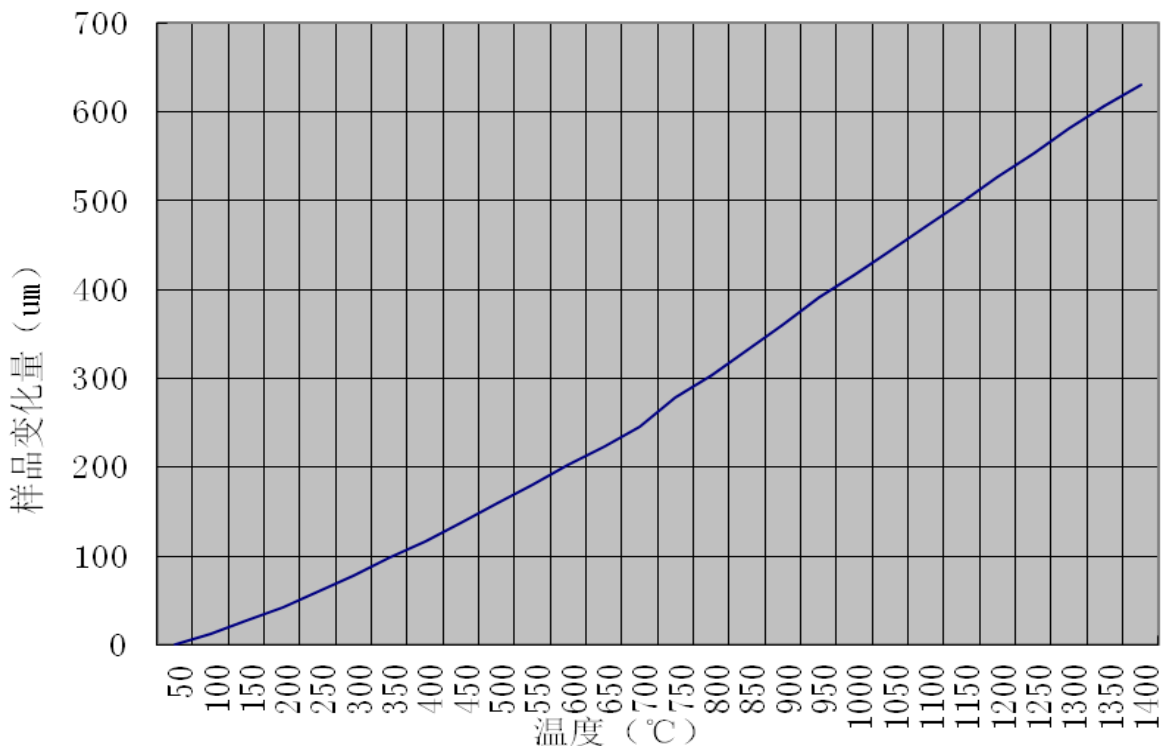
送檢單位：                      樣品名稱： 葉蠟石                      樣品編號： Y20151028  
 起始溫度： 50°C                      測試溫度： 1400°C                      設備型號： 高溫臥式膨脹儀  
 分析日期： 2015/10/28                      分析時間： 5:05:26 PM                      實驗員： 俞志祥、夏孝玉

序號	溫度(°C)	樣品變化量(um)	線膨脹係數 ( $\times 10^{-6}$ )	線膨脹百分率 (%)	體膨脹係數 ( $\times 10^{-7}$ )
1	50	0	0	0	0
2	100	13.08581352	5.234000206	0.026000001	157.0200043
3	150	26.71212387	5.342000008	0.052999999	160.2599945
4	200	42.41954803	5.65500021	0.083999999	169.6499939
5	250	60.16472244	6.015999794	0.119999997	180.4799957
6	300	78.47322083	6.27699995	0.156000003	188.3099976
7	350	98.20730591	6.546999931	0.195999995	196.4100037
8	400	116.9956741	6.684999943	0.232999995	200.5500031
9	450	137.1562653	6.856999874	0.273999989	205.7100067
10	500	159.4326019	7.085000038	0.317999989	212.5500031
11	550	180.517807	7.21999979	0.361000001	216.6000061
12	600	202.6251373	7.368000031	0.405000001	221.0399933
13	650	223.9681549	7.465000153	0.446999997	223.9499969
14	700	246.3470001	7.578999996	0.492000014	227.3699951
15	750	278.5024719	7.956999779	0.556999981	238.7100067
16	800	302.8530273	8.076000214	0.605000019	242.2799988
17	850	332.4875793	8.312000275	0.663999975	249.3600006
18	900	359.9363403	8.468999863	0.718999982	254.0700073
19	950	391.4204407	8.697999954	0.782000005	260.9400024
20	1000	416.7664185	8.774000168	0.833000004	263.2200012
21	1050	443.2019043	8.86400032	0.885999978	265.9200134
22	1100	470.7713623	8.967000008	0.940999985	269.0100098
23	1150	498.6018982	9.064999958	0.996999979	271.9500122
24	1200	526.5769043	9.156999588	1.052999973	274.7099915
25	1250	553.0301514	9.217000008	1.105999947	276.5100098
26	1300	581.1546631	9.298000336	1.161999941	278.9400024
27	1350	606.2169189	9.326000214	1.212000012	279.7799988
28	1400	630.7614746	9.343999863	1.261000037	280.3200073

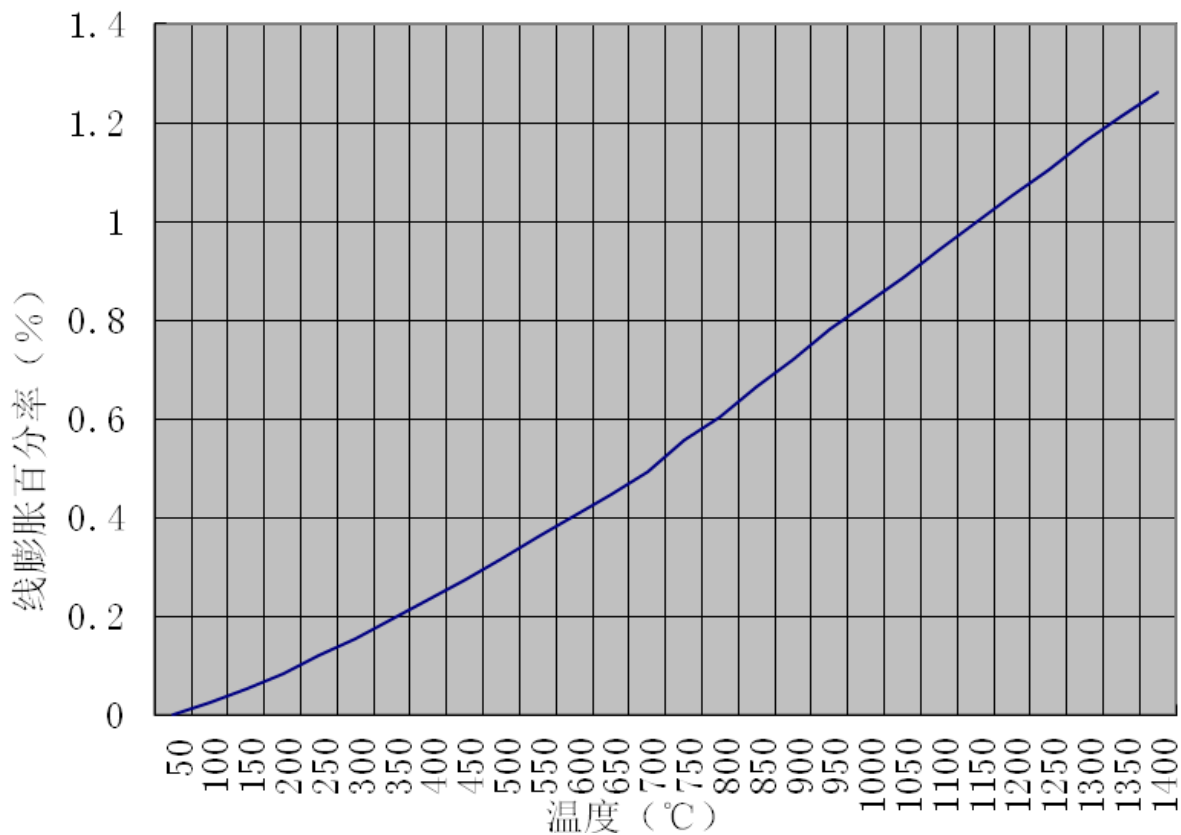
温度/线膨胀系数



温度/位移



温度/线膨胀百分率



温度/体膨胀系数

