


Technical Data sheet of WPC Cladding 2900x175x21 mm

| Technical information (175x21) | | | |
|---|--|--|--------------------------------------|
| Draign |  | | |
| <p>The details of the composite material is as following:</p> <ul style="list-style-type: none"> - 30% HDPE (the first class recycled plastic) -60% special treated wood powder. -10% chemical additives including anti-UV agent , ant-oxidation agent, coupling agent, colorant , stabilizer and reinforcing agent etc. <p>The Composite Wall Cladding materials shall meet the following technical requirements:</p> | | | |
| No | Technical Requirement | Standard | Minimum Results |
| 3 | Vicat Softening temperature | ASTM D1525-07/2006 | 83.4Degree C |
| 11 | Estimated Weight (kg/m) | | 2 (kg/m) |
| | Density (kg/m ³) | ASTM D2395:2007a/D792:2000 | 1.35 (kg/m ³) |
| 12 | Shore D Hardness, median | ASTM D2240:2000/D:2000 | 53 |
| 13 | Water absorption (%) | ASTM D1037:2006a Section 23 Method A/D570:1998 | After 2 hours-0.33% |
| | | ASTM D1037:2006a Section 23 Method A/D570:1998 | After 24 hours-0.69% |
| | Modulus of elasticity (Mpa) | ASTM D638:2003 | 1684 Mpa |
| 16 | Elongation at break (%) | ASTM D638:2003 | 0.027 |
| 19 | Coefficient of thermal expansion | ASTM E831:2000 | A) After a1(25 to 50°C):92um/m°C |
| | | ASTM E831:2000 | B) After a2 (90 to 110°C):298 um/m°C |
| 21 | Linear thermal expansion coefficient | ASTM D696-2008 | 62.5 um/m°C |