



NationalPlastics

WOODGRAIN COMPOSITE DECKING BOARDS

Technical Data Sheet

| Physical Property | Test Method | Value |
|-----------------------------|-------------------------|-------------|
| Linear mass | EN 15534-1: 2014, 6.5 | 2.70 kg/m |
| Dimensions | EN 15534-1: 2014, 6.6.2 | 21 x 136 mm |
| Deviation from straightness | EN 15534-1: 2014, 6.6.3 | 0.10 mm |
| Cupping | EN 15534-1: 2014, 6.6.4 | 0.45 mm |

| Mechanical Characteristics | Test Method | Value |
|---------------------------------|---|--------------------------|
| Falling mass impact resistance | EN 15534-1: 2014, 7.1.2.1 (EN 477:1995) | 0.35 mm |
| Ultimate Tensile Strength (UTS) | EN 15534-1: 2014, 7.2 (EN ISO 527-2) | 14.97 MPa |
| Elastic Modulus (MOE) | EN 15534-1: 2014, 7.3.2 (EN 310:1993) | 2.86 GPa |
| Maximum Stress (MOR) | EN 15534-1: 2014, 7.3.2 (EN 310:1993) | 42.60 MPa |
| Deflection at 500N | EN 15534-1: 2014, 7.3.2 (EN 310:1993) | 0.50 mm |
| Mid Span Point Load | EN ISO 178 | Refer to load span table |

| Durability | Test Method | Value |
|--|---------------------------------------|---|
| Moisture resistance under cyclic test conditions | EN 15534-1: 2014, 8.3.2 (EN 321:2001) | Deflection at 500N = 0.55 mm |
| Swelling and water absorption | EN 15534-1: 2014, 8.3.1 (EN 317) | Thickness = 2.26% Width = 0.05% Length = 0% Weight = 0.74% |