

## Description

Kedel Recycled Mixed Plastic is made up of 100% high quality recycled mixed waste plastics from post industrial and consumer use and where necessary selected process additives.

## Composition

Kedel Recycled Mixed Plastic nailer profiles compose of a proportion of LDPE (Low Density Polyethylene), HDPE (High Density Polyethylene), PP (Polypropylene) and other thermoplastic materials.

**Production Process** The polymers are ground, mixed and fused under high temperatures and pressures into pressed moulds.

## Finish

The surface is knot free, evenly coloured and shows a textured structure.

## Properties

- Maintenance free
- Durable
- Can be worked as wood
- Splinter free
- Frost proof
- Insensitive to fungi and insects
- Does not leach toxic substances
- Wear resistant
- Non-rotting
- Environmentally friendly
- 100% recycled and recyclable
- Insulating
- Acoustic sound proofing
- Shock proof and flexible

**Density** 0.924 Kg/dm<sup>3</sup>

**Linear expansion coefficient** 0.075 mm/m/ ° C

**Moisture absorption** <0.46%

**Vicat temperature** ~107 ° C

**Pull out value** 3095 N

**E-module** 500 MPA

**Breaking strength** 9.0-15.5 MPA

**Elongation at break** 14.9%

**Maximum pull strength** 15.5 MPA

**Elongation at maximum pull strength** 3.5 - 4.8%

**Impact resistance:**

average 12.5 - 17.8 Kg/m<sup>2</sup>

average 0.48 - 0.7 J

**Bend test:**

e-module 550 MPA

Max. press force 22.2 MPA

Bend at max. press force 7.5%

**Chemical Stability** Resistant to most common chemicals - contact us for specific information.

*All figures quoted are averages and should be checked for specific applications*