GRIDMATS® PALLETS · MLP BOARDS

Pallets and plywood-substitute boards from multilayer plastic waste

A GridMats fabricated pallet: individually replaceable MLP members

0.17%	18.7 MPa	20+	3
moisture content	compressive strength	reuses as shuttering	pallet footprints

Samples in the formats and thicknesses you nominate; indicative costing on request. Board figures are a baseline from Indian test houses; pallet figures are finite-element simulation, so load, stacking and impact are for your lab to establish.

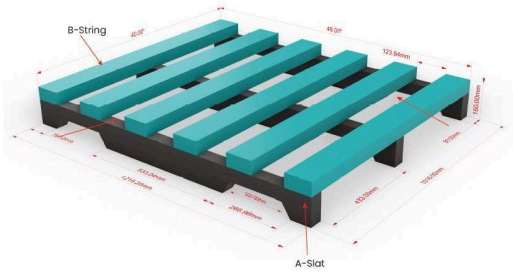
MLP BOARDS

Heat-pressed from multilayered and single-use plastic waste: tetra packs, aluminium-lined film, chip packets. No adhesive, no formaldehyde, no glue lines, so nothing to delaminate. 6, 8, 12 and 16 mm; 0.9 g/cm³. In service as shuttering, site cabins, doors and scaffolding.

- Compressive 18.7 MPa (ASTM D695); tensile 7.41 / 5.10 MPa (ASTM D638)
- Modulus of rupture 9.17 / 8.39 MPa (IS:1734); shear 3.2 MPa
- Moisture 0.17%; no bulge after a 24-hour soak; termite- and UV-resistant
- ISO 9001, 14001 and 45001; three plants in India

GRIDMATS PALLETS

Fabricated from individually replaceable members: a damaged slat is replaced and the pallet stays in service. No timber, so no splinters, protruding nails or wood dust.



- 48 × 40, 59 × 44 and 78 × 65; 48, 66 and 120 kg
- Finite-element safety factor 15 under vertical load (simulation)
- Burning rate 0.16 mm/s (ASTM D635); heat 2 h at 205 °C (ASTM D2485)
- Optional QR, RFID or IoT ID per pallet, linked to your WMS, TMS or ERP

Ask for samples in your format and thickness.

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