Pultruded FRP Profiles — Technical Data Sheet

NANTONG ZEALL (ZeAllgrate) · pultruded fibreglass structural profiles (T-bar / I-bar and related shapes). Indicative data for preliminary selection; confirm against the order drawing.

1. Depth series and unit weight

Profile	Depth series (mm)	Unit weight (kg/m)
T-bar	25 / 38 / 50	7.5-9.5 / 11.5-13 / 15-17
I-bar	25 / 38 / 50 / 76	10.5 / 12.5-14.5 / 16.5-19 / 23-26

Note: sectional modulus and moment of inertia are not stated here; these are calculated per actual cross-section on request.

2. Material properties

Property	Typical value
Density	1.5 – 2.0 g/cm<super>3</super>
Barcol hardness	40 or above on a sound profile
Standard length	Cut to order / project drawing

3. Resin systems and surface options

Resin system	Isophthalic polyester / orthophthalic polyester / vinyl ester / phenolic
Surface option	Smooth / concave (dished) / grit (sand-coated)
Connection	Bolted / clip-fastened / tied — per project drawing

4. Typical uses

Application	Example
Walkway beams	Pedestrian walkway and access grating support beams
Platform beams	Equipment and working platform framing
Handrail posts	Guardrail and handrail uprights
Trench cover supports	Cable trench and drainage cover subframes

5. Certification statement

Third-party reports	We do not claim any SGS test report and do not claim any third-party product certification beyond our ISO 9001 registration (01708Q11888R0S).

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