

## WACOSIT® Glass Fiber- Acrylic B08

WACOSIT®- B08 pultruded fiber reinforced plastic profiles were especially developed for rolling stock applications and meet the requirements on standard series British Standard BS 6853 – preventive fire protection requirements for rolling stocks.

Properties	Unit	Value	Standard
Flamability:  <u>BS 6853 Table of Requirements:</u> Table 5 and 6 (exterior)  Table 2 and 3 (interior)			Vehicle Category Ib  Vehicle Category II
Resin content	mass%	Appr. 35	DIN EN 2746
Glass content including anorganic fillers	mass%	Appr. 65	DIN EN 2746
Density	g/cm <sup>3</sup>	2.0 ± 0.1	DIN 53 479
Bending strength in fiber direction	MPa	≥ 500	DIN EN 63
Bending strength cross fiber direction	MPa	≥ 100	DIN EN 63
Tensile strength in fiber direction	MPa	≥ 500	DIN EN ISO 527-4
Tensile strength cross fiber direction	MPa	≥ 30	DIN EN ISO 527-4

**Advice:**

Mechanical properties are depending from the profiles fiber structure, geometry and thickness.