

Strong and long lasting

Fiberglass structural profiles



- **High strength**

Fiberglass offers high strength while remaining lightweight, making it a practical choice for various load-bearing applications.

- **No corrosion**

Fiberglass is inherently corrosion-resistant, allowing it to retain strength and durability even in harsh environments.

- **Easy to use**

The lightweight and corrosion-resistant nature of fiberglass make it easy to transport, cut on-site, and install.

Glassfiber Produkter AS offers a diverse range of high-quality fiberglass structural profiles, ideal for a wide variety of applications requiring durability and strength.

Our profiles are designed to meet the following industry standards for quality and safety:

Recommended standards

- EN 13706 – European standard for structural profiles
- EN 14122 – European standard for access structures
- Eurocomp design guide

We maintain a large inventory of 6-meter full-length profiles, which can be cut to your specified dimensions.



Mechanical properties

Fiberglass structural profiles from Glassfiber Produkter AS comply with strict performance and quality standards.

Refer to the table below for the minimum mechanical properties.

Mechanical properties				
Property	Unit	Test method	Minimum E23 grade	Test results
Tension modulus – axial	GPa	EN ISO 527-4	23	
Tension modulus	GPa	EN ISO 527-4		30.6
Tension modulus – transverse	GPa	EN ISO 527-4	7	
Tension strength – axial	MPa	EN ISO 527-4	240	
Tension strength	MPa	EN ISO 527-4		550
Pin-bearing strength – axial	MPa	Annex D, EN 13706-2	150	
Flexural strength – axial	MPa	EN ISO 14125	240	
Flexural strength	MPa	EN ISO 14125		501
Flexural strength – transverse	MPa	EN ISO 14125	100	
Interlaminar shear strength – axial	MPa	EN ISO 14125	25	

Physical properties				
Property	Method	Unit	Typical value	Reported result
Barcol hardness	ASTM D2583	Barcol	50	1.8
Electrical strength	DIN 53481	kV/mm	5–10	
Heat distortion temperature	ISO 75	°C	>150	>200

