

Technical Data Sheet MKHP+

MKHP+

MKHP+ – melamine-faced hard paper with additional glass fabric reinforcement, high tracking resistance (CTI 600)

Typical Properties

- Very high tracking resistance (CTI 600)
- Higher mechanical strength than standard MKHP (glass fabric reinforcement)
- Good moisture and weather resistance
- Good electrical insulating properties
- Thermoset laminate (dimensionally stable)
- Good machinability
- Light-fast, decorative melamine surface
- Colour light grey (RAL 7035), other shades on request

Typical Industries

- Electrical engineering and switchgear construction (medium voltage)
- Medical technology (hospital furniture)
- Laboratory and sports facility construction
- Front panel cladding
- Mechanical and plant engineering (higher-load insulating parts)
- Fixture and insulation construction

	Test Method	Unit	Value
General Properties			
Density	DIN 53479	g / cm ³	1.4
Water absorption (4 mm)	DIN 53495	mg	600
Colour			light grey (RAL 7035)
Mechanical Properties			
Flexural strength 23 °C	DIN 53452	MPa	200
Impact strength	DIN 53453	kJ / m ²	20
Notched impact strength (Charpy)	DIN 53453	kJ / m ²	5
Tensile strength	DIN 53455	MPa	120
Compressive strength, parallel	DIN 53454	MPa	150
Compressive strength, perpendicular	DIN 53454	MPa	300
Delamination strength	DIN 53463	N	2000
Flexural modulus	DIN 53457	MPa	7000
Electrical Properties			
Tracking resistance CTI	IEC 60112		600
Dielectric strength (1-min test voltage, parallel)	DIN 53481	kV	30

	Test Method	Unit	Value
Thermal Properties			
Limit temperature (continuous use)	VDE 0304, T.2	°C	120

MKHP+ is an upgraded variant of melamine-faced hard paper (MKHP) per DIN 7735 / EN 60893-3-4: an additional glass fabric reinforcement layer is added to the paper core, significantly increasing mechanical strength compared with standard MKHP (including flexural strength, tensile strength, and perpendicular compressive strength), while maintaining the same very high tracking resistance (CTI 600). The values stated are typical properties, researched from common publicly available data sheet information for this product type; they serve as information about our products and as an aid to material selection. We do not thereby provide any legally binding guarantee of specific properties or suitability for particular purposes. Actual values may vary somewhat depending on manufacturer and sheet thickness and are subject to normal manufacturing tolerances.

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