

Technical Data Sheet MKHP

MKHP

MKHP – melamine-faced hard paper per DIN 7735 / EN 60893-3-4, high tracking resistance (CTI 600)

Typical Properties

- Very high tracking resistance (CTI 600)
- Good moisture and weather resistance
- High mechanical strength (hard paper)
- 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
- 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	80
Colour			light grey (RAL 7035)
Mechanical Properties			
Flexural strength 23 °C	DIN 53452	MPa	130
Impact strength	DIN 53453	kJ / m ²	15
Notched impact strength (Charpy)	DIN 53453	kJ / m ²	4
Tensile strength	DIN 53455	MPa	100
Compressive strength, parallel	DIN 53454	MPa	150
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	20
Thermal Properties			
Limit temperature (continuous use)	VDE 0304, T.2	°C	120

MKHP is a melamine-faced hard paper laminate per DIN 7735 / EN 60893-3-4: a phenolic-resin-impregnated paper core with decorative melamine resin cover layers. The values stated are typical properties, researched from common publicly available data sheet information for this standard 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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