

Technical Data Sheet Hp 2062.8 (PF CP 206)

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Punchable phenolic paper laminate (phenolic resin/paper) per DIN 7735 / EN 60893

Typical Properties

- Punchable grade (NEMA XXXP) of the phenolic paper laminate range
- Higher compressive strength perpendicular to laminations and documented impact strength
- Good electrical insulating properties
- Good machinability (sawing, milling, drilling, punching)
- Brown colour

Typical Industries

- Electrical and switchgear engineering
- Electrical industry (insulating parts)
- Punched-parts manufacturing
- Mechanical engineering

	Test Method	Unit	Value
Mechanical Properties			
Density	DIN 53479	g/cm ³	1.4
Flexural strength 23°C	DIN 53452	MPa	80
Impact strength	DIN 53453	kJ/m ²	8
Notched impact strength (Charpy)	DIN 53453	kJ/m ²	2.5
Compressive strength to laminations	DIN 53454	MPa	120
Cleavage strength	DIN 53463	N	2000
Modulus of elasticity	DIN 53457	MPa	7000
Electrical Properties			
Insulation resistance 24h/23°C	DIN 53482	Ω	10 ¹⁰
Electric strength to laminations	DIN 53481	kV	25
Electric strength ⊥ to laminations	DIN 53481	kV	30
Dissipation factor 50Hz	DIN 53483	–	0.08
Comparative tracking index CTI	IEC 112	–	100
General Properties			
Colour			brown

The values stated are typical properties per DIN 7735 / EN 60893 for this material type and serve as an aid for material selection. They do not constitute a legally binding guarantee of specific properties. For certain characteristics (including tensile strength, permittivity, thermal conductivity, coefficient of linear expansion, limiting temperature, thermal class, water absorption) no separately documented values are available for this grade; they are therefore not listed here. Actual values may vary slightly depending on sheet thickness and production batch. The currently applicable standards and case-specific data shall govern.