

# Physical properties      Cevodur UTR 203 white

## Comparable standards:

- For mechanical and electrical applications
- Defined flammability properties (UL-Listing)
- Good performance at arc and tracking
- Reinforcement by glasmat
- Good resistance against many oils, weak acids
- Weak hydrolysis resistance
- Good weather resistance

Technical values	Test method	Unit	Ref. value
Colour			white
Specific gravity		g/cm <sup>3</sup>	1.85
Fibre reinforcement			Mat
<b>Standards</b>			
EN 60893/IEC 893			UPGM 203
DIN 7735 type			HM 2471
Nema-LI.1 designation			GPO-3
NFC 26153/56151 Standard	ISO 1183		VmP2e
<b>Mechanical properties</b>			
Bending strength (perpendicular)	ISO 178	MPa	130
Modulus of elasticity (perpendicular)	ISO 178	MPa	9000
Compressive strength (perpendicular)	ISO 604	MPa	250
Impact strength (parallel)	ISO 604	kJ/m <sup>2</sup>	40
Tensile strength (parallel)	ISO 527	MPa	70
<b>Thermal properties</b>			
Thermal conductivity	ISO 8302	W/mK	0.3
Thermal endurance	IEC 60216	T.I.	155
Insulating class	IEC 60085	-	F
Flammability	IEC 60707	-	V0/>3mm
Coefficient of linear expansion (parallel)	-	10 <sup>6</sup> · K <sup>-1</sup>	15-30
<b>Electrical properties</b>			
Electric strength at 90°C (perpendicular)	IEC 60243	kV/mm	12
Breakdown voltage at 90°C (parallel)	IEC 60243	kV/25 mm	75
Proof tracking index	IEC 60112	CTI	600
Tracking and erosion resistance	IEC 60587	-	IB 2.5

This table is a valuable help in the choice of a material. The data listed here fall within the normal range of products properties, but they should not be used to establish material specification limits nor used alone as the basis of design.