

Durostone® UPM 203 / HM 2471

Durostone® UPM 203 is a fiber-reinforced plastic for mechanical and electrical applications. This plastic material has a defined flammability (UL listed) and offers good performance against electric arc and tracking. The fiber reinforcement is carried out with a glass mat (GRP).

Colour

white/red

Standard sizes

2020x1020mm

2440x1220mm

2470x1250mm

Thickness

0,8 - 3mm

4 - 80mm

3 - 40mm

Type acc. to standard (EN 60893)

UP GM 203

Thermal endurance (IEC 216)

155

Technical Values	Test method	Unit	UPM 203
Fibre reinforcement	-	-	mat
Specific gravity	-	g/cm ³	1,82
Standard colour	-	-	white/red
Previous quality	-	-	UPM71/s MP270
DIN 7735 type	-	-	UPGM 203
EN 60893/IEC 893 type	-	-	HM 2471
Nema-LI.1 designation	-	-	GPO-3
NFC 26153/26151 Standard	ISO 1183 meth 1	g/cm ³	VmP2e
Bending strength (perpendicular)	ISO 178	MPa	130
Modulus of elasticity (perpendicular)	ISO 178	MPa	9000
Compressive Strength (perpendicular)	ISO 604	MPa	250

Technical Values	Test method	Unit	UPM 203
Impact strength (parallel)	ISO 179	kJ/m ²	40
Tensile strength (parallel)	ISO 527	MPa	70
Electric strength at 90°C (perpendicular)	IEC 60243	kV/mm	12
Breakdown voltage at 90°C (parallel)	IEC 60243	kV/25mm	75
Comparative tracking index	IEC 60112	CTI	600
Tracking and erosion resistance	IEC 60587 meth 1	-	IB 2,5
Thermal conductivity	ISO 8302	W/mK	0,3
Thermal endurance	IEC 60216	T.I.	155
Insulating class	IEC 60085	-	F
Flammability	IEC 60707	-	FVO/>3mm
Coefficient of linear expansion (parallel)	-	10 ⁻⁶ K ⁻¹	15-30

Remarks: Property variation possible in the area of 50mm, average - not guaranteed technical values. Tol. accord with EN 60893-3-5. The data mentioned are average values. We cannot accept any responsibility for their accuracy.