

## DATASHEET

MATERIAL

PP

### TECHNICAL DETAILS

Density	DIN 53479	g/cm <sup>3</sup>	0.91
Tensile stress at yield	DIN 53455	N/mm <sup>2</sup>	35
Percentage of elongation at break	DIN 53455	%	700
Modulus of elasticity	DIN 53457	N/mm <sup>2</sup>	1300
Impact strength	DIN 53453	kJ/m <sup>2</sup>	no break
Charpy Impact strength	DIN 53453	kJ/m <sup>2</sup>	25
Time yield limit (1% elongation after 1000 h)	DIN 53444	N/mm <sup>2</sup>	4
Specific insulation material	DIN 53482	cm	10 <sup>17</sup>
Dielectric constant	DIN 53483	10 <sup>6</sup> HZ	2.3
Dissipation factor	DIN 53483	10 <sup>6</sup> HZ	0.0002
Dielectric strength	DIN 53481	kV/mm	80
Surface resistance	DIN 53482		10 <sup>13</sup>
Temperature for use	Short term	°C	140
	Max. lasting	°C	100
Deflection temperature	method A	DIN 53461	65
Under load ISO-R 75	method B		105
Coefficient of linear thermal extension 23 °C -100 °C	DIN 53752	10 <sup>-5</sup> x1/K	15
Thermal conductivity	DIN 52612	W / (Kxm)	0.22
Flammability (UL-standard 94)			HB
Melting temperature	DIN 53736	°C	165
Moisture pick up till saturation(23 °C)	DIN 53715	%	0.03
Water absorption till saturation	DIN 53495	%	0.1