



Bakelite® UP 3480			
UP-GF		Bakelite Synthetics	
Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Charpy impact strength, +23°C	7	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.5	kJ/m²	ISO 179/1eA
Flexural modulus, 23°C	14500	MPa	ISO 178
Thermal properties			
ISO Data			
Temp. of deflection under load, 8.00 MPa	195	°C	ISO 75-1/-2
Electrical properties			
ISO Data			
Relative permittivity, 100Hz	5.5	-	IEC 62631-2-1
Dissipation factor, 100Hz	50	E-4	IEC 62631-2-1
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Electric strength	22.5	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112
Other properties			
ISO Data			
Density	2100	kg/m³	ISO 1183
Characteristics			
Processing		Special Characteristics	
Injection Molding, Compression Molding		Heat stabilized or stable to heat	