

TECHNICAL DATA SHEET

# Bakelite® UP 3480

Bakelite Synthetics  
UP-GF

**Processing**

Injection molding, Compression molding

**Special Characteristics**

Heat stabilized or stable to heat

Processing/Physical Characteristics	Value	Unit	Standard
Molding shrinkage, parallel	0.25	%	ISO 294-4, 2577
<b>Mechanical Properties</b>			
Value	Unit	Standard	
Flexural modulus, 23°C	14500	MPa	ISO 178
Charpy impact strength, +23°C	7	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	6.5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
Value	Unit	Standard	
Temp. of deflection under load, 8.00 MPa	195	°C	ISO 75-1/-2
<b>Electrical Properties</b>			
Value	Unit	Standard	
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
<b>Other Properties</b>			
Value	Unit	Standard	
Density	2100	kg/m <sup>3</sup>	ISO 1183