

# DATA SHEET

Product Code: 222-014



## Dimensions

Diameter	42mm
Height	20mm
Shaft	1/4 inch

## Bakelite® PF 31-9005-P 1

Reviewed on: 17.02.2012

<i>Property:</i>	<i>Standard</i>	<i>typical Value</i>	<i>Unit</i>
Density * (23 °C)	ISO 1183	1,42	g/cm <sup>3</sup>
Apparent density (moulding compounds)	ISO 60	0,58	g/cm <sup>3</sup>
Injection - Moulding shrinkage	ISO 2577		%
Injection - Post shrinkage	ISO 2577		%
Compression - Moulding shrinkage	ISO 2577	0,5	%
Compression - Post shrinkage	ISO 2577	0,4	%
Tensile strength * (5mm/min)	ISO 527 - 1/2	50	MPa
Tensile modulus * (1mm/min) <sup>①</sup>	ISO 527 - 1/2		MPa
Compressive strength (test specimen flat tested)	ISO 604	250	MPa
Flexural strength (2mm/min)	ISO 178	100	MPa
Flexural modulus	ISO 178	8.500	MPa
Charpy impact strength * (23 °C)	ISO 179-1 eU	7,0	kJ/m <sup>2</sup>
Charpy notched impact strength * (23 °C)	ISO 179-1 eA	1,8	kJ/m <sup>2</sup>
Ball indentation hardness (H961/30)	ISO 2039/P1		MPa
Temp. of deflection under load. HDT C-8,0MPa *ISO 75-2		125	°C
Surface resistivity * <sup>②</sup>		1E+10	Ohm
Volume resistivity * <sup>②</sup>		1E+11	Ohm * cm
Dissipation factor * (100 Hz) <sup>③</sup>		0,3	
Relative permittivity * (100 Hz) <sup>③</sup>		10,0	
Electric strength * (1mm thickness) <sup>④</sup>	IEC 60243-P1	23,0	kV/mm
Proof tracking index * (Test liquid A)	IEC 60112	125	PTI
Flammability UL 94 <sup>⑤</sup>	UL 94	V-1 / 1,5mm (ALL) V-0 / 3,0mm (ALL)	Step/mm
Water absorption (24h / 23°C) <sup>⑥</sup>		75	mg
Additional characteristics		UL, Typ	
Product oriented characteristics:	HDT-A 170°C		