

PIBIFOR® K2 GFFE/3030 - PBT

Experimental Grade. Please contact your Celanese representative for further information.

Description

PBT, 30% glass fiber reinforced, 30% magnetite filled

Physical properties	Value	Unit	Test Standard
Density	2100	kg/m ³	ISO 1183

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	11000	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	110	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	1.3	%	ISO 527-2/1A
Charpy notched impact strength, 23 °C	4.5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	205	°C	ISO 75-1, -2

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	3 - 4	h	-
Drying temperature	100 - 120	°C	-
Temperature	Value	Unit	Test Standard
Zone1 temperature	230 - 250	°C	-
Zone2 temperature	240 - 260	°C	-
Zone3 temperature	245 - 265	°C	-
Zone4 temperature	250 - 270	°C	-
Mold temperature	60 - 90	°C	-

Characteristics

Product Categories	Regional Availability
Mineral/Glass reinforced	North America, Europe, Asia Pacific, South and Central America, Near East/Africa
Processing	
Injection molding	