

# CELANEX® JKX-1083 (PRELIMINARY)

35% glass/mineral filled PBT

Celanex JKX-1083 is a 35% glass/mineral filled polyester with good warp resistance and dielectric strength.

## Rheological properties

Melt mass-flow rate	18 g/10min	ISO 1133
Melt mass-flow rate, Temperature	250 °C	
Melt mass-flow rate, Load	2.16 kg	

## Typical mechanical properties

Tensile Modulus	9937 MPa	ISO 527-1/-2
Stress at break, 5mm/min	105 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2 %	ISO 527-1/-2
Flexural Modulus	9500 MPa	ISO 178
Flexural Strength	155 MPa	ISO 178
Charpy impact strength, 23°C	47 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	7 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	7.9 kJ/m <sup>2</sup>	ISO 180/1A
Izod impact strength, 23°C	38 kJ/m <sup>2</sup>	ISO 180/1U
Hardness, Rockwell, M-scale	72	ISO 2039-2

## Thermal properties

Temp. of deflection under load, 1.8 MPa	200 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	221 °C	ISO 75-1/-2

## Other properties

Density	1550 kg/m <sup>3</sup>	ISO 1183
---------	------------------------	----------

---