

CELANEX® LX2002

unfilled medium flow PBT grade in metallic color

Celanex LX2002 is a general purpose, unreinforced polybutylene terephthalate with a good balance of mechanical properties and processability. Celanex LX2002 is a medium flow material that does not contains an internal lubricant.

Product information

Part Marking Code	PBT	ISO 11469
-------------------	-----	-----------

Rheological properties

Melt mass-flow rate	14 g/10min	ISO 1133
Melt mass-flow rate, Temperature	250 °C	
Melt mass-flow rate, Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	3100 MPa	ISO 527-1/-2
Yield stress, 50mm/min	55 MPa	ISO 527-1/-2
Yield strain, 50mm/min	4 %	ISO 527-1/-2
Strain at break, 50mm/min	12 %	ISO 527-1/-2
Charpy impact strength, 23°C	3.1 kJ/m ²	ISO 179/1eU
Izod notched impact strength, 23°C	3.8 kJ/m ²	ISO 180/1A

Thermal properties

Melting temperature, 10°C/min	225 °C	ISO 11357-1/-3
-------------------------------	--------	----------------