

## CELSTRAN® PBT-GF40-09 - PBT

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

### Description

Long glass fiber reinforced PBT

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	14500	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	175	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	1.65	%	ISO 527-2/1A
Flexural modulus, 23°C	13000	MPa	ISO 178
Flexural strength, 23°C	265	MPa	ISO 178
Charpy notched impact strength, 23°C	30	kJ/m <sup>2</sup>	ISO 179/1eA

### Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Necessary low maximum residual moisture content	0.02	%	-
Drying time	4	h	-
Drying temperature	120	°C	-
Temperature	Value	Unit	Test Standard
Feeding zone temperature	20 - 50	°C	-
Nozzle temperature	265 - 285	°C	-
Melt temperature	265 - 285	°C	-
Mold temperature	90 - 100	°C	-

### Other text information

#### Pre-drying

CELSTRAN PBT should in principle be predried. Because of the necessary low maximum residual moisture content the use of dry air dryers is recommended. The dew point should be =< -30°C. The time between drying and processing should be as short as possible

### Characteristics

Special Characteristics	Delivery Form
Specialty appearance	Pellets
Product Categories	Regional Availability
Glass reinforced, Impact modified	North America, Europe, Asia Pacific

### Processing

Injection molding