

ENGITECH® C16 100001

Technical Data Sheet

Compound in PBT

PRODUCT DESCRIPTION

ENGITECH® C16 100001 is a glass fiber reinforced PBT compound having balanced mechanical properties and good flowability

Property	Test Condition	Unit	Standard	Typical value
Mechanical properties (23 °C/50 % r. h.)				
Tensile strength	50 mm/min	MPa	ASTM D638	130
Elongation	50 mm/min	%	ASTM D638	5
Flexural modulus	2 mm/min	MPa	ASTM D790	8000
Flexural strength	2 mm/min	MPa	ASTM D790	180
Izod impact strength (notched)	23 °C	J/m	ASTM D256	60
Thermal properties				
Melting temperature	10 °C/min	°C	ASTM D3418	225
Other properties (23 °C)				
Density		g/cc	ASTM D792	1.55
Filler Content		%	ASTM D5630	30
Processing recommendations				
Drying temperature dry air dryer		°C		120
Drying time dry air dryer		h		3-4
Residual moisture content		%	Karl Fischer	0.05

USAGE

ENGITECH® C16 100001 is especially suited for injection molding of general purpose applications

STORAGE AND SHELF LIFE

It is recommended to store ENGITECH® C16 100001 compound in dry, dust free sealed conditions and prevent exposure to direct sunlight and/or heat. The storage should not exceed 12 months at 25°C for optimum performance. Higher temperature might reduce storage time considerably.

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