

# ENGITECH B13 100000

# Technical Data Sheet

Compound in PA 6

## PRODUCT DESCRIPTION

ENGITECH B13 100000 is a glass reinforced PA6 compound having excellent mechanical properties, flow behavior and good dimensional stability.

Property	Test Condition	Unit	Standard	Typical value
<b>Mechanical properties (23 °C/50 % r. h.)</b>				
Tensile strength	50 mm/min	MPa	ASTM D638	100
Flexural modulus	2 mm/min	MPa	ASTM D790	4000
Flexural strength	2 mm/min	MPa	ASTM D790	155
Elongation	50 mm/min	%	ASTM D638	5
Izod impact strength (notched)	23 °C	J/m	ASTM D256	100
<b>Thermal properties</b>				
Melting temperature	10 °C/min	°C	ASTM D3418	222
MFI	235 °C / 2.16kg	Gms/10min	ASTM D1238	6
HDT	1.8 MPa	°C	ASTM D648	200
<b>Other properties (23 °C)</b>				
Density		g/cc	ASTM D792	1.21
Filler Content		%	ASTM D5630	15
Shrinkage	23 °C	%	ASTM D955	0.17
<b>Processing recommendations</b>				
Drying temperature dry air dryer		°C		80
Drying time dry air dryer		h		3 - 4

## USAGE

ENGITECH B13 100000 is especially suited for injection molding in general purpose application

## STORAGE AND SHELF LIFE

It is recommended to store ENGITECH B13 100000 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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