



GST3D
Global Solution Technology



PETG CF

(CARBON FIBER)

1.75mm ± 0.02mm

DESCRIPTION

Thermoplastic polymer
General Purpose, resistance

APPLICATION

FDM PRINT professional/industrie

TESTED PRINT SETTING

BT	{C°}	90±10
NT	{C°}	250±15
SP	{mm/s}	250
SF	{%}	50
RS	F/H	F/H

BT=Bed Temperature SF=Speed Fan
NT=Noozle Temperature RS=Retraction Speed
SP=Speed Print F/H=For Hoten

MATERIAL PROPERTIES

Density	1.23cm ³
Humidity Absorbption	0.1%
Temp Thermic Deflec (1.80 MPa)	80
Hardness "D" scale	85
Interlayer adhesion	[MPa] 17 ± 4

MECHANICAL SPECS

Tensile strenght	50mm/s
Tensile modulus	1mm/min
Flexural strenght	15mm/min
Impact strenght	23°C -30°C
Rockwell strenght	103

THERMAL PROPERTY

HDT (0.45Mpa)	72°C
HDT (1.82Mpa)	67°
VST °	80°



TESTS METHODS ACCORDIND TO:

ISO1183; ISO1133; ISO527; ISO179; ISO75-2; DIN 53504-S2

Disclaimer: The results presented in this data sheet are for your information and comparison only. Values depend significantly on printing configuration, operator experiences and environmental conditions. GST3D cannot assume any liability for injury or loss caused by the use of the material.

ASA

**(ACRYLONITRILE STYRENE
ACRYLATE)**

1.75mm ± 0.02mm

DESCRIPTION

Amorphous Thermoplastic
Polymer, Hardness, UV,
Heat, Chemical resistance.



GST30
Global Solution Technology



APPLICATION

FDM PRINT Automotive industry
Commercial siding.

TESTED PRINT SETTING

BT	{C°}	80±10
NT	{C°}	255±15
SP	{mm/s}	250± 50
SF	{%}	80
RS	F/H	F/E

BT=Bed Temperature SF=Speed Fan
NT=Noozle Temperature RS=Retraction Speed
SP=Speed Print F/H=For Hoten

MATERIAL PROPERTIES

Density	1.00cm ³
Humidity Absorbpsion	0.15%
Temp Thermic Deflec (1.80 MPa)	85
Hardness "D" scale	82
Interlayer adhesion	[MPa] 10 ± 2

MECHANICAL SPECS

Tensile strenght	50mm/s
Tensile modulus	1mm/min
Flexural strenght	16mm/min
Impact strenght	22°c -32°c
Rockwell strenght	102

THERMAL PROPERTY

HDT (0.45Mpa)	78°c
HDT (1.82Mpa)	72°
VST °	85°



TESTS METHODS ACCORDIND TO:

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