

# HiFill® PC / ABS GF30

Polycarbonate + ABS

Techmer Engineered Solutions

## Message:

HiFill® PC / ABS GF30 is a Polycarbonate + ABS (PC+ABS) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	117	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	116	°C	ASTM D648
CLTE - Flow	4.1E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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## Recommended distributors for this material

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