

HiFill® ABS GF30 BK

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.28		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	920000	psi	ASTM D638
Tensile Strength (Yield)	11800	psi	ASTM D638
Tensile Elongation (Break)	12000	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.2	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	380 to 440	°F
Middle Temperature	380 to 440	°F
Front Temperature	380 to 440	°F
Nozzle Temperature	380 to 440	°F
Processing (Melt) Temp	390 to 460	°F
Mold Temperature	100 to 190	°F
Injection Rate	Slow	
Back Pressure	0.00 to 75.0	psi
Screw Speed	Slow-Moderate	

Notes

¹ Typical properties: these are not to be construed as specifications.

