

# Cevian® SFG10

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

## Message:

Cevian®SFG10 is an acrylonitrile butadiene styrene (ABS) product, which contains a 10% glass fiber reinforced material. It can be processed by injection molding and is available in North America.

- Features include:
- flame retardant/rated flame
  - Flame Retardant
  - Heat resistance
  - heat stabilizer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	heat stabilizer		
	Flame retardancy		
Features	Heat resistance, high		
	Thermal Stability		
	Thermal stability, good		
	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 - 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	68.3	MPa	ASTM D638
Flexural Modulus	4120	MPa	ASTM D790
Flexural Strength	97.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	116	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm, ALL)	V-0		UL 94
Additional Information			
Specific Gravity, ASTM D792, 73°F, 50% RH: 1.27Water Absorption, ASTM D570, 24 hrs, 73°F: 0.3 %			
Injection	Nominal Value	Unit	

Drying Temperature	79.4 - 85.0	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	180 - 210	°C
Middle Temperature	200 - 230	°C
Front Temperature	220 - 250	°C
Processing (Melt) Temp	240 - 260	°C
Mold Temperature	60.0 - 80.0	°C
Injection Pressure	48.3 - 117	MPa
Injection Rate	Moderate	
Back Pressure	0.345 - 1.38	MPa
Screw Speed	40 - 60	rpm

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#### Recommended distributors for this material

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