

Stylac VGB20

ABS-GF

Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	16	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Melt flow index, MFI	17	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	5200	MPa	ISO 178
Flexural strength	115	MPa	ISO 178
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	83	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
Coefficient of Thermal Expansion, MD	33	E-6/K	ASTM D 696

Other properties	Value	Unit	Test Standard
Density	1320	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 80	°C	-
Pre-drying - Time	3 - 4	h	-
Mold temperature	30 - 60	°C	-
Zone 1	150 - 180	°C	-
Zone 2	150 - 190	°C	-
Zone 3	170 - 210	°C	-
Nozzle temperature	160 - 200	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, Halogen-free