

**Properties**

**SKG20**

Glass fiber-reinforced flame-retardant ABS resin (GF20%)

Heat resistance

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Daicel method	-	%	0.2-0.5
Tensile strength	ISO 527	-	MPa	90
Flexural strength	ISO 178	-	MPa	140
Flexural modulus	ISO 178	-	MPa	7100
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m <sup>2</sup>	6
Notched Izod impact strength	ASTM D256	23 deg C/6.4mm	J/m	60
Deflection temperature under load	ISO 75	1.80MPa	deg C	97
Deflection temperature under load	ASTM D648	1.82MPa/12.7mm	deg C	105
Vicat softening temperature	ISO 306/B50	50N X 50deg C/h	deg C	101
Ball pressure temperature	-	-	deg C	95
Coefficient of linear thermal expansion	ISO 11359	MD	X1E-5/deg C	3
Coefficient of linear thermal expansion	ISO 11359	TD	X1E-5/deg C	8
Flammability	UL94	-	-	V-0/1.5mm 5VA/2.5mm
Dielectric strength	ASTM D149	1.5mm	MV/m	22
Arc resistance	ASTM D495	3.0mm	sec(PLC)	-(7)
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm <sup>3</sup>	1.33

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- Values are typical, not quality assured.
- UL recognition File No. is E47773.
- The colorant formulations are restricted for each UL certified color. Please contact us for more information.

**Typical settings for processing**

Preliminary drying	Barrel temperature(deg C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (deg C)
	Nozzle	Front	Middle	Back			
3-4hrs 80-85deg C	220-240	220-240	200-220	180-200	40-60	10-20	60-80