

KompoGTe[®] LE1G30HIBL

Injection Molding , PP LFT +GF 30% , High Impact Strength

Application

Auto (Headlamp Braket)

Properties	Measurement condition	Test Method	Unit	Typical value
Physical				
GF Contents		ASTM D2584	wt. %	30
Color		-	-	Black
Density		ASTM D792	-	1.10
Shrinkage		ASTM D955	%	0.30 ~ 0.50
Mechanical				
Tensile Strength at Break (3.2mm)	50 mm/min	ASTM D638	MPa	130
Flexural Strength (6.4mm)	10 mm/min	ASTM D790	MPa	150
Flexural Modulus (6.4mm)	10 mm/min	ASTM D790	MPa	6,100
Izod Impact Strength (6.4mm)		ASTM D256		
(Notched)	23 ℃		J/m	230
Thermal				
Melting Point	20 ℃/min	ASTM D3418	℃	163
Heat Deflection Temperature	1.8 MPa	ASTM D648	℃	159
Flammability (0.8mm)		UL94	Class	HB
※ 1Mpa = 10.197162 Kgf/cm ² , 1J/m = 0.10197 Kgf·cm/cm, (Test specimen Thickness)				
Processing Guide (Injection Molding)				

Drying Temperature(℃)	80 ~ 90	(Dehumidifying Dryer)		
Drying Time(hr)	2 ~ 4			
Processing Moisture Contents(%)	≤ 0.1			
Cylinder Temperature(℃)	Nozzle	Front	Middle	Rear
	230 ~ 250	230 ~ 250	220 ~ 240	200 ~ 220
Mold Temperature(℃)	40 ~ 80			

