

KompoGTe[®] LE1G40BL1

Injection Molding , PP LFT +GF 40%

Application

Auto (Pedal Member, TGS Braket)

Properties	Measurement condition	Test Method	Unit	Typical value
Physical				
GF Contents		ASTM D2584	wt. %	40
Color		-	-	Black
Density		ASTM D792	-	1.20
Shrinkage		ASTM D955	%	0.20 ~ 0.40
Mechanical				
Tensile Strength at Break (3.2mm)	50 mm/min	ASTM D638	MPa	148
Flexural Strength (6.4mm)	10 mm/min	ASTM D790	MPa	185
Flexural Modulus (6.4mm)	10 mm/min	ASTM D790	MPa	9,010
Izod Impact Strength (6.4mm)		ASTM D256		
(Notched)	23 ℃		J/m	215
Thermal				
Melting Point	20 ℃/min	ASTM D1525	℃	163
Heat Deflection Temperature	1.8 MPa	ASTM D648	℃	163
Flammability (0.8mm)		UL94	Class	HB

※ 1Mpa = 10.197162 Kgf/cm², 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	
	235 ~ 255	235 ~ 255	220 ~ 240	200 ~ 220	
Mold Temperature(℃)	40 ~ 80				

