

KOPLA

GRADE		SORT	FILLED & REINFORCED GRADE		
		GRADE	UG23090BK (PP+30%GF-BK)		
CONTENT FEATURES PROPERTIES	TEST METHOD (ASTM)	CONDITIONS	UNIT	GF REINFORCED	
Specific Gravity	D792			1.15	
Water Absorption	D570	23°C, Water, 24h	%	-	
Melting Point	DSC Method		°C	163	
Heat Deflection	D648	4.6kgf/cm ²	°C	157	
Temperature		18.6kgf/cm ²	°C	-	
Coefficient of Linear Thermal Expansion	D696	20°C~80°C	X10 ⁻⁴ cm/cm/°C	-	
Flammability	UL94	t 0.8mm		HB	
Tensile Strength	D638	23°C	kgf/cm ²	950	
Tensile Elongation	D638	23°C	%	4.0	
Flexural Strength	D790	23°C	kgf/cm ²	1300	
Flexural Modulus	D790	23°C	kgf/cm ²	53000	
Izod Impact Strength	D256	Notched	kgf . cm/cm	15	
Rockwell Hardness	D785	R-scale		110	
Dielectric Constant	D150	10 ⁶ Hz		-	
ARC RESISTANCE	D495		sec	-	
Volume Resistivity	D257		Ω	-	
Dielectric Strength	D149		KV/mn	-	
Molding Shrinkage(1/8')	D955		%	0.3~0.4	