



KOPLA

GRADE		SORT	FILLED & REINFORCED GRADE		
		GRADE	UGN16090 (PA6+30%GF)		
PROPERTIES	CONTENT FEATURES	TEST METHOD (ASTM)	CONDITIONS	UNIT	GF REINFORCED
		Specific Gravity	D792		
	Water Absorption	D570	23°C, Water, 24h	%	1.25
	Melting Point	DSC Method		°C	220
	Heat Deflection Temperature	D648	4.6kgf/cm ²	°C	215
			18.6kgf/cm ²	°C	208
	Coefficient of Linear Thermal Expansion	D696		X10 ⁻⁴ cm/cm/°C	0.3
	Flammability	UL94			HB
	Tensile Strength	D638	23°C	kgf/cm ²	1750
	Tensile Elongation	D638	23°C	%	3.0
	Flexural Strength	D790	23°C	kgf/cm ²	2300
	Flexural Modulus	D790	23°C	kgf/cm ²	79000
	Izod Impact Strength	D256	Notched	kgf . cm/cm	12.0
	Rockwell Hardness	D785	R-scale		121
	Dielectric Constant	D150	10 ⁶ Hz		3.8
	Dielectric Dissipation Factor	D150	10 ⁶ Hz		0.02
	Volume Resistivity	D257		Ω·CM	10 ¹⁵
	Dielectric Strength	D149		KV/mm m	20
	Molding Shrinkage(1/8')	D955		%	0.4~0.9