

KOPLA

GRADE		SORT	UNFILLED GRADE	
		GRADE	U160ER (PA6)	
CONTENT FEATURES PROPERTIES	TEST METHOD (ASTM)	CONDITIONS	UNIT	INJECTION GRADE
				RELEASING
Specific Gravity	D792			1.14
Water Absorption	D570	23°C, Water, 24h	%	1.7
Melting Point	DSC Method		°C	220
Heat Deflection Temperature	D648	4.6kgf/cm ²	°C	175
		18.6kgf/cm ²	°C	60
Coefficient of Linear Thermal Expansion	D696		X10 ⁻⁴ cm/cm/°C	0.8
Flammability	UL94			HB
Tensile Strength	D638	23°C	kgf/cm ²	750
Tensile Elongation	D638	23°C	%	120
Flexural Strength	D790	23°C	kgf/cm ²	1100
Flexural Modulus	D790	23°C	kgf/cm ²	27000
Izod Impact Strength	D256	Notched	kgf . cm/cm	5
Rockwell Hardness	D785	R-scale		120
Dielectric Constant	D150	10 ⁶ Hz		2.8
Dielectric Dissipation Factor	D150	10 ⁶ Hz		0.03
Volume Resistivity	D257		Ω·CM	10 ¹⁴ ~10 ¹⁵
Dielectric Strength	D149		KV/mm m	19
Molding Shrinkage(1/8')	D955		%	0.9~1.6