

High viscosity, jacketing wire

KOPA[®]

Polyamide 6 Compound resin,

Property		Test Method	Units	Value
Physical				
Specific Gravity		ASTM D792	-	1.14
Shrinkage		ASTM D955	%	1.3~1.5
Water Absorption	23℃, Equilibrium 60%RH	ASTM D570	%	2
Thermal				
Melting Point		ASTM D3418	℃	220
Heat Deflection Temperature under Load		ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)			℃	170
HDT/A 1.82 MPa (18.6 kg/cm ²)			℃	60
Coeff. Of Linear Thermal Expansion		ASTM D696	× 10 ⁻⁴ cm/cm·℃	0.8
Mechanical				
Tensile Strength	23℃	ASTM D638	MPa	80
Tensile Elongation	23℃	ASTM D638	%	70
Flexural Strength	23℃	ASTM D790	MPa	115
Flexural Modulus	23℃	ASTM D790	MPa	2750
Notched Izod Impact Strength	23℃	ASTM D256	J/m	70
Rockwell Hardness	R scale	ASTM D785	g/cc	105
Electrical				
Arc Resistance		ASTM D495	sec	120
Dielectric Constant		ASTM D150	10 ⁶ Hz	3.4
Dielectric Strength		ASTM D149	KV/mm	20

