

PRODUCT INFORMATION

Standard Grade

KOPA[®] KN170SA

Polyamide 6 Compound resin, Extrusion grade

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	%	1.8
Thermal			
Melting Point	ASTM D3418	℃	220
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	180
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	65
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	0.8
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23℃	ASTM D638	kg/cm ²	650
Tensile Elongation 23℃	ASTM D638	%	400
Flexural Strength 23℃	ASTM D790	kg/cm ²	550
Flexural Modulus 23℃	ASTM D790	kg/cm ²	11,500
Notched Izod Impact Strength 23℃	ASTM D256	kg cm/cm	7.5
Rockwell Hardness R scale	ASTM D785	-	120
Electrical			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.4
Dielectric Strength	ASTM D149	KV/mm	20

**KOLON PLASTICS, Inc.**