

## PRODUCT INFORMATION

Standard Grade

# KOPA<sup>®</sup> KN136

Standard Polyamide 6 resin.

Property	Test Method	Units	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	-	1.14
Shrinkage	ASTM D955	%	1.3~1.5
Water Absorption 23 °C, Equilibrium 60%RH	ASTM D570	%	1.8
<b>Thermal</b>			
Melting Point	ASTM D3418	°C	220
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa ( 4.6 kg/cm <sup>2</sup> )		°C	180
HDT/A 1.82 MPa ( 18.6 kg/cm <sup>2</sup> )		°C	65
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 <sup>-4</sup> cm/cm·°C	8
Flammability	UL 94		HB
<b>Mechanical</b>			
Tensile Strength 23 °C	ASTM D638	Mpa(kg/cm <sup>2</sup> )	81(830)
Tensile Elongation 23 °C	ASTM D638	%	50
Flexural Strength 23 °C	ASTM D790	Mpa(kg/cm <sup>2</sup> )	123(1250)
Flexural Modulus 23 °C	ASTM D790	Mpa(kg/cm <sup>2</sup> )	2744(28000)
Notched Izod Impact Strength 23 °C	ASTM D256	J/m(kg·cm/≧)	74(7.5)
Rockwell Hardness R scale	ASTM D785	-	120
<b>Electrical</b>			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 <sup>6</sup> Hz	3.4
Dielectric Strength	ASTM D149	KV/mm	20

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