KOLON PLASTICS, INC.

PRODUCT INFORMATION

Flame Retardant Grade

KOPA® KN3322V0L

Polyamide 66 Compound resin,
Middle viscosity, Halogen free, Impact -resistant

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.29
Shrinkage	ASTM D955	%	1.3-1.6
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	0.6
Thermal			
Melting Point	ASTM D3418	℃	255
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm^2)		℃	235
HDT/A 1.82 MPa (18.6 kg/cm^2)		℃	105
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10^{-4}cm/cm·℃	0.7
Flammability	UL 94		V0
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm^2)	80(820)
Tensile Elongation 23℃	ASTM D638	%	15
Flexural Strength 23℃	ASTM D790	MPa (kg/cm^2)	129(1300)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm^2)	3150(32400)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg·cm/cm)	49(5)
Rockwell Hardness R scale	ASTM D785	g/cc	120
Electrical			
Arc Resistance	ASTM D495	sec	125
Dielectric Constant	ASTM D150	10^{6}Hz	3.4
Dielectric Strength	ASTM D149	KV/mm	20

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