

# PROPERTY INFORMATION

KOLON INDUSTRIES INC

# KOPA®

POLYAMIDE-66 RESIN

# KN3321G15VO

FLAME RETARDANT WITH G/F GRADE

PROPERTY	ASTM METHOD	UNIT			VALUE			
<b>MISCELLANEOUS</b>								
SPECIFIC GRAVITY	D792				1.5			
WATER ABSORPTION	D570	%			0.8			
MOLD SHRINKAGE	D955	%			0.5			
<b>THERMAL</b>								
MELTING POINT	D789	°C	°F	255	491			
HEAT DISTORTION TEMPERATURE	D648							
4.6kg.f/cm <sup>3</sup> (0.46 Mpa)		°C	°F	240	464			
18.6kg.f/cm <sup>3</sup> (1.82 Mpa)		°C	°F	235	455			
COEFFICIENT OF LINEAR THERMAL EXPANSION	D696	10 <sup>-4</sup> cm/cm/°C			0.3			
FLAMMABILITY	UL94				V-O			
<b>MECHANICAL</b>								
TENSILE STRENGTH	73°F (23°C)	D638	kgf/cm <sup>2</sup>	Mpa	psi	1,250	123	17,775
TENSILE ELOGATION	73°F (23°C)	D638	%			5.0		
FLEXURAL STRENGTH	73°F (23°C)	D790	kgf/cm <sup>2</sup>	Mpa	psi	2,000	196	28,439
FLEXURAL MODULUS	73°F (23°C)	D790	kgf/cm <sup>2</sup>	Mpa	psi	65,000	6,374	924,277
IZOD NOTCHED IMPACT STRENGTH		D256	kgcm/cm	J/m	ft.lb/in	5.0	49	0.92
HARDNESS ROCKWELL	R SCALE	D785	g/cc			120		
<b>ELECTRICAL</b>								
ARC RESISTANCE	D495	sec			130			
DIELECTRIC CONSTANT	D150	10 <sup>6</sup> Hz			3.6			
DIELECTRIC STRENGTH	D149	KV/mm			20			

The information provided on our present state of knowledge and is estimated by Kolon Industries Inc. The listed values should be used for referential purposed only. This information should not be used as guranteed specification limits.

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