

KN 111

Poly amide 6 compounded resin, General purpose grade

TEST ITEM	ASTM	UNIT	VALUE
Physical Property			
Specific Gravity 23	D792	—	1.14
Water Absorption	D570	%	1.8
Mold Shrinkage 23	D955	%	1.3 - 1.5
Mechanical Property			
Tensile Strength 23	D638	Kg/cm ²	830
Tensile Elongation 23	D638	%	100
Flexural Strength 23	D790	Kg/cm ²	1,250
Flexural Modulus 23	D790	Kg/cm ²	28,000
Impact Strength (Izod Notch) 23	D256	Kg · cm/cm	7.5
Hardness (Rockwell)	D785	R scale	120
Thermal Property			
Melting Point	D789		220
Coefficient of Linear Thermal Expansion	D696	cm/cm/ (X10 ⁻⁴)	0.8
Heat Distortion Temperature	D648		
4.6kg/cm ²			180
18.6kg/cm ²			65
Flammability	UL94	UL 94	H B
Electrical Property			
Arc Resistance 23	D495	sec	120
Dielectric Constant 23	D150	10 ⁶ Hz	3.4
Dielectric Strength 23	D149	KV/mm	20

Remark: The information provided in this data sheet is based on Kolon's knowledge and test method, therefore it can not be used as guaranteed specification limits.



KOLON Industries, Inc

