KOPA ®

KOLON PLASTIC BUSINESS TEAM

Standard Grade

KN133HR

Poly amide 6 compounded resin, High heat resistance

TEST ITEM		ASTM	UNIT	VALUE
Physical Property				
Specific Gravity	23℃	D792	-	1.14
Water Absorption		D570	%	1.8
Mold Shrinkage	23℃	D955	%	1.2 - 1.7
Mechanical Property				
Tensile Strength	23℃	D638	Kg/㎠	820
Tensile Elongation	23℃	D638	%	150
Flexural Strength	23℃	D790	Kg/㎠	1,200
Flexural Modulus	23℃	D790	Kg/㎠	28,000
Impact Strength (Izod Notch)	23℃	D256	Kg • cm/cm	7.0
Hardness (Rockwell)		D785	R scale	120
Thermal Property				
Melting Point		D789	℃	220
Coefficient of Linear Thermal Expansion		D696	cm/cm/℃($X10^{-4}$)	0.75
Heat Distortion Temperature		D648		
	4.6kg/㎠		℃	180
	18.6kg/㎠		℃	65
Flammability		UL94	UL 94	V 2
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.

API-KOLON
Engineering Plastics

333 Enterprise Parkway • Lake Zurich • IL • 60047 • USA
Phone: 1-847-550-5556 Fax: 1-847-550-5557
Email: MaxHahn21@hotmail.com