

KN 170-1

Poly amide 6 base resin, High Viscosity, which can be used for both extrusion and injection purpose application.

TEST ITEM	ASTM	UNIT	VALUE
Physical Property			
Specific Gravity	23°C	D792	-
Water Absorption		D570	%
Mold Shrinkage	23°C	D955	%
Mechanical Property			
Tensile Strength	23°C	D638	Kg/cm ²
Tensile Elongation	23°C	D638	%
Flexural Strength	23°C	D790	Kg/cm ²
Flexural Modulus	23°C	D790	Kg/cm ²
Impact Strength (Izod Notch)	23°C	D256	Kg • cm/cm
Hardness (Rockwell)		D785	R scale
Thermal Property			
Melting Point		D789	°C
Coefficient of Linear Thermal Expansion		D696	cm/cm/ °C(X10 ⁻⁴)
Heat Distortion Temperature		D648	°C
4.6kg/cm ²			°C
18.6kg/cm ²			°C
Flammability		UL94	UL 94
Electrical Property			
Arc Resistance	23°C	D495	sec
Dielectric Constant	23°C	D150	10 ⁶ Hz
Dielectric Strength	23°C	D149	KV/mm

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.



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