

KOPA® KN173ST

Polyamide 6
Kolon Plastics, Inc.

Message:
Polyamide 6 compound resin, Impact resistance

General Information			
Features	Impact resistance, good		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	1.3 - 1.6	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	37.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	550	%	ASTM D638
Flexural Modulus (23°C)	294	MPa	ASTM D790
Flexural Strength (23°C)	16.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	900	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	160	°C	ASTM D648
1.8 MPa, not annealed	54.5	°C	ASTM D648
Peak Melting Temperature	215	°C	ASTM D3418
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	20	kV/mm	ASTM D149
Dielectric Constant (23°C, 1 MHz)	3.20		ASTM D150
Arc Resistance	125	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

