

Technical Datasheet KN136

1) Product Description:

KN136 is a general purpose injection grade Polyamide 6 featuring good toughness and rigidity.

2) Applications:

Auto Parts, Electrical Devices, Home Appliances, Gears.

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Specific Gravity	ASTM D792	g/cm ³	1.14
Molding Shrinkage-Flow	ASTM D 955	%	1.3 to 1.5
Water Absorption (Equilibrium, 23 °C, 60% RH)	ASTM D 570	%	1.8
Tensile Strength at Yield (23 °C)	ASTM D 638	MPa	82
Tensile Elongation at Yield (23 °C)	ASTM D 638	%	90
Flexural Modulus (23 °C)	ASTM D 790	MPa	2940
Flexural Modulus (23 °C)	ASTM D 790	MPa	128
Notched Izod Impact (23 °C)	ASTM D 256	J/m	69
Rockwell Hardness (R-Scale)	ASTM D 785	--	120
Deflection Temperature Under Load (0.45 MPa, nannealed) (1.8 MPa, Unannealed)	ASTM D 648	°C	180 65
Melting Temperature	--	°C	220
CLTE-Flow	ASTM D 696	cm/cm/ °C	0.000080
Dielectric Strength	ASTM D 149	kV/mm	20
Dielectric Constant (1 MHz)	ASTM D 150	--	3.40
Arc Resistance	ASTM D495	sec	120
Flame Rating	UL94	--	HB

* Typical values not to be construed as specifications.