

VieTape PA7001

PA6 PLASTIC

DESCRIPTION

PA7001 is a thermoplastic material that belongs to the family of nylon polymers. It contains a recurring amide group (-CONH-) in the chain. The resulting polymer has a semi-crystalline structure, which gives it excellent mechanical properties such as high tensile strength and good impact resistance. PA7001 injection molding grade, nonreinforced, easy-flow, easy-release, rapid solidification

APPLICATION

PA7001's versatility, strength, durability, and does not contain substances harmful to human health that have many applications in industry:

- Automotive component: engine covers, fuel tanks, air intake manifolds, gears, bearings, and various other components.
- Electrical and electronic components: cable insulation, connectors, switches, sockets, and circuit breakers
- Industrial Applications: conveyor belts, hoses, gaskets, seals, and bearings due to its excellent wear resistance, low friction coefficient, and self-lubricating properties. Additionally, PA7001's ability to absorb vibrations makes it suitable for manufacturing machine parts and components

FEATURES

Item	Parameter	Unit
Color	White	-
Tensile Modulus	3200	MPa
Flexural strain at flexural strength	2900	MPa
Melting temperature	230	°C
Density	1.14	g/cm ³
Volume resistance	10 ¹²	Ohm-m
Surface resistance	10 ¹⁴	Ohm
Dielectric Strength	30	kV/mm

Issued date: September 2022

VIETAPE MATERIAL TECHNOLOGY CO., LTD

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SHELF LIFE

Store in original package in a clean dry place at (10-30 °C) and 40-60% relative humidity.

Shelf life is 1 year form date of manufacture when store at recommended storage condition

The above values are sample observed values, we do not guarantee the actual performance due to the different of application method, bonding design, bonding substrate.. We highly recommend customer to test in the real part

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