

Product Texts

Genestar N1006A-M41 (Black, Natural) is impact modified unreinforced injection grade.

Main feature of N1006A-M41 are:

- High elongation
- High impact strength

Examples of application are:

- Retainers for quick connector
- Flexible band

Abrasion properties (JIS K7218-A)

Critical PV value: 1000 kg/cm²·cm/sec

Coefficient of Friction (P=10kgf/cm²): 0.25

Wear (P=10kgf/cm²): 50 mg

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.4	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.5	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	1880	MPa	ISO 527
^[C] Yield stress	50	MPa	ISO 527
^[C] Yield strain	7	%	ISO 527
^[C] Charpy impact strength, +23°C	65	kJ/m ²	ISO 179/1eU

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	300	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	125	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2

ASTM Data

Coefficient of Thermal Expansion, MD	56	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	67	E-6/K	ASTM D 696

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.25	%	Sim. to ISO 62
^[C] Density	1060	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Black, Natural Color

Features

Barrier Properties, Creep Resistance, Fatigue Resistance, High Crystallinity, Thermal Stability, Weldable

Additives

Release agent

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance, Environmental Stress Crack Resistance, Solvent Resistance, Grease Resistance, Hydrolytically Stable, Oil Resistance

Applications

Automotive, General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa