

Genestar™ N1006A-M41

Polyamide 9T

Kuraray Co., Ltd.

Message:

Genestar N1006A-M41 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

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Impact resistance, high		
	Heat resistance, high		
	Extended tensile rate		
Uses	Application in Automobile Field		
Appearance	Black		
	Natural color		
Processing Method	Injection molding		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Tensile Modulus vs. Temperature (ISO 11403-1)		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.5	%	ISO 294-4
Flow direction	1.4	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	50.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Coefficient of Friction ¹	0.25		JIS K7218
Abrasion Loss ²	50.0	mg	JIS K7218
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	65	kJ/m ²	ISO 179/1eA

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	110	°C	ISO 75-2/Af
Glass Transition Temperature	125	°C	
Melting Temperature	300	°C	ISO 11357-3
Additional Information			
Critical PV value : 1000 kg/cm ² *cm/sec (JIS K7218-A)			
NOTE			
1.	P=10kgf/cm ²		
2.	P=10kgf/cm ²		

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