

Genestar™ N1006D-H31

Polyamide 9T

Kuraray Co., Ltd.

Message:

Genestar N1006D-H31 is standard unreinforced extrusion grade.

Main feature of N1006D-H31 are;

Chemical resistance

Long term heat resistance

Examples of application are;

Tube applications

General Information	
Features	Good chemical resistance Heat resistance, high
Uses	Pipe fittings Application in Automobile Field
Appearance	Black
Processing Method	Extrusion
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	1.7	%	ISO 294-4
Flow direction	1.7	%	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)	40	%	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Coefficient of Friction ¹	0.15		JIS K7218
Abrasion Loss ²	180.0	mg	JIS K7218

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	25	kJ/m ²	ISO 179/1eA
23°C	No Break		ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	105	°C	ISO 75-2/Af
Glass Transition Temperature	125	°C	
Melting Temperature	264	°C	ISO 11357-3

Additional Information

Critical PV value : 750 kg/cm²*cm/sec (JIS K7218-A)

NOTE

1. P=10kgf/cm²
2. P=10kgf/cm²

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