

Genestar™ N1001D-U83/02

Polyamide 9T
Kuraray Co., Ltd.

Message:

Genestar N1001D-U83/02 is standard unreinforced extrusion grade.
Main feature of N1001D-U83/02 are;
Outstanding fuel barrier
Heat resistance
Examples of application are;
Multi-layered fuel tube

General Information	
Features	High Heat Resistance
Uses	Automotive Applications
	Fuel Lines
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	1.08	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.25	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	60.0	MPa	ISO 527-2
Tensile Strain (Break)	> 20	%	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	19	kJ/m ²	
23°C	No Break		
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	264	°C	ISO 11357-3

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