

Product Texts

Genestar N1001D-U83/02 Black 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

Abrasion properties (JIS K7218-A)

Critical PV value: 650 kg/cm²•cm/sec

Coefficient of Friction (P=10kgf/cm²): 0.15

Wear (P=10kgf/cm²): 170 mg

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.5	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	1700	MPa	ISO 527
^[C] Yield stress	60	MPa	ISO 527
^[C] Yield strain	7	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	264	°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

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.25	%	Sim. to ISO 62
^[C] Density	1080	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Other Extrusion

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

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