

## Technical Data sheet

### Genestar N1002A – M41 Black

Genestar N1002A-M41 is low friction unreinforced injection grade.

Main feature of N1002A-M41 are;

- Low friction coefficient
- Low wear

Examples of application are;

- Friction and wear application
- Gear & Wheel

	Units	Test Method ISO	Value
GF Content	%	—	0
<b>Physical properties</b>			
Specific gravity	—	1183	1.17
Water absorption (23°C, in water, 24hrs)	%	62	0.25
<b>Mechanical properties</b>			
Tensile strength	MPa	527	80
Tensile elongation at break	%	527	6
Flexural strength	MPa	178	115
Flexural modulus	GPa	178	2.5
Charpy impact strength	kJ/m <sup>2</sup>	179/1eA	5
<b>Thermal properties</b>			
Melting point	°C	11357-3	300
Glass Transition Temperature	°C	—	125
DTUL(1.82MPa)	°C	75Af	125
<b>Dimensional properties</b>			
Mold shrinkage MD	%	294-4	1.4
TD	%	294-4	1.5
<b>Abrasion properties</b>			
Critical PV value	kg/cm <sup>2</sup> · cm/sec		1150
Coefficient of Friction	P=10kg f /cm <sup>2</sup>	—	0.25
Wear	P=10kg f /cm <sup>2</sup>	JIS K7218-A	5

\*Values shown in above table are typical values, not specified values.

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