Advanced Polymer
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TENYMID N2GF6FR

Product Description PA66 with 30%GF reinforced, frame retardant, used for the automotive industry, Electrical and Electronics and consumer applications.
Material Status Commercial: Active.
Availability Africa & Middle East, Asia Pacific, Europe, Latin America, North America.
Features High rigidity, high mechanical strength, high impact, ageing resistance.
Processing Method Injection molding.

Physical	Nominal Value	Unit	Test Method
Specific gravity	1.42±0.02	g/cm³	ISO 1183-A
Main filling content	30	%	
Transverse flow direction, shrinkage	0.5	%	ASTM D955
Parallel flow direction, shrinkage	0.7	%	ASTM D955
Water absorption, at 23℃	1.8	%	ISO 62

Mechanical	Nominal Value	Unit	Test Method
Tensile strength	160	MPa	ISO 527
Tensile elongation, break	2	%	ISO 527
Flexural modulus	9500	MPa	ISO 178
Flexural strength	250	MPa	ISO 178
Izod impact strength, notched	10	KJ/㎡	ISO 180
Izod impact strength, unnotched	60	KJ/㎡	ISO 180

Thermal	Nominal Value	Unit	Test Method
HDT, 0.45 MPa	250	°C	ISO 75
HDT, 1.8 MPa	235	℃	ISO 75
GWIT, 1.6mm	750	℃	IEC 695
GWIT, 1.6mm	960	℃	IEC 695

Flammability	Nominal Value	Unit	Test Method
According UL standard	1.6	mm	UL-94 V0

Electrical	Nominal Value	Unit	Test Method
CTI	600	V	IEC 112

Injection	Nominal Value	Unit	
Melting point, DSC	265	°C	ISO 3146-C

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Disclaimer

Sales products:

This information and technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved.

Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating TENSURE materials or products will be safe and suitable for use under end-use conditions.

Our products are sold and our advisory service is given in accordance with the current version of our General Conditions of Sale and Delivery.

Test figures:

Above figures were measured under the condition of 23 ℃ and RH 50% base on injection molded specimens .They are typical figures, not specifications.

Kindly note that, under certain conditions,

The properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and coloring.

To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace.

The prescribed processing temperatures should not be substantially exceeded.

Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.