

Novamid[®] 1010GN2–20 NAT/BK37

PA6–GF20 FR(17)

20% Glass Fiber Reinforced, Flame Retardant

Print Date: 2025–10–04

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294–4
Molding shrinkage (normal)	1.1 / *	%	ISO 294–4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	9200 / –	MPa	ISO 527–1/–2
Stress at break	135 / –	MPa	ISO 527–1/–2
Strain at break	2.1 / –	%	ISO 527–1/–2
Flexural modulus	7700 / 6000	MPa	ISO 178
Flexural strength	205 / 165	MPa	ISO 178
Charpy impact strength (+23°C)	38 / 55	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	9 / 11	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	205 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.3 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.7 / *	E–4/°C	ISO 11359–1/–2
ELECTRICAL PROPERTIES			
	DRY / COND		
Relative permittivity (1 MHz)	4 / –	–	IEC 62631–2–1
Dissipation factor (1 MHz)	200 / –	E–4	IEC 62631–2–1
Volume resistivity	8E12 / –	Ohm*m	IEC 62631–3–1

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Surface resistivity	– / 8E12	Ohm	IEC 62631–3–2
Electric strength	23 / –	kV/mm	IEC 60243–1
Comparative tracking index	225 / –	V	IEC 60112
OTHER PROPERTIES	DRY / COND		
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1540 / –	kg/m³	ISO 1183

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