Property Data

Envalior
Imagine the Future

Novamid® 3021GH30 BK629

PA66–GF30

30% Glass Reinforced, Heat Stabilized

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage [parallel]	0.4 / *	%	Sim. to ISO 294–4
Molding shrinkage [normal]	1.3 / *	%	Sim. to ISO 294–4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	9700 / 6500	MPa	ISO 527–1/–2
Stress at break	170 / 130	MPa	ISO 527–1/–2
Strain at break	2.6 / 4	%	ISO 527–1/–2
Flexural modulus	8300 / 6500	MPa	ISO 178
Flexural strength	265 / 200	MPa	ISO 178
Charpy impact strength (+23°C)	84 / 110	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11 / 13	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES	DRY / COND		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	244 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	260 / *	°C	ISO 75–1/–2
ELECTRICAL PROPERTIES	DRY / COND		
Relative permittivity (1 MHz)	4 / –	–	IEC 62631–2–1
Dissipation factor (1 MHz)	190 / –	E–4	IEC 62631–2–1
Volume resistivity	>1E13 / –	Ohm*m	IEC 62631–3–1
Surface resistivity	– / 4E14	Ohm	IEC 62631–3–2
Electric strength	26 / –	kV/mm	IEC 60243–1

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PROPERTIES	*TYPICAL DATA*	*UNIT*	*TEST METHOD*
Comparative tracking index	550 / –	V	IEC 60112
OTHER PROPERTIES	***DRY / COND***		
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1370 / –	kg/m³	ISO 1183