

# Novamid<sup>®</sup> 3010CF30 BK

## PA66–CF30

30% Carbon Reinforced

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b><i>RHEOLOGICAL PROPERTIES</i></b>			
	<i>DRY / COND</i>		
Molding shrinkage [parallel]	0.2 / *	%	Sim. to ISO 294–4
Molding shrinkage [normal]	0.8 / *	%	Sim. to ISO 294–4
<b><i>MECHANICAL PROPERTIES</i></b>			
	<i>DRY / COND</i>		
Stress at break	230 / –	MPa	ISO 527–1/–2
Strain at break	2.8 / –	%	ISO 527–1/–2
Flexural modulus	17000 / –	MPa	ISO 178
Flexural strength	343 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	10 / –	kJ/m <sup>2</sup>	ISO 179/1eA
<b><i>THERMAL PROPERTIES</i></b>			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	245 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	260 / *	°C	ISO 75–1/–2
<b><i>OTHER PROPERTIES</i></b>			
	<i>DRY / COND</i>		
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1270 / –	kg/m <sup>3</sup>	ISO 1183

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