

# Novamid® 1013CH5-2

## PA6

Injection Molding, Easy Molding Grade

Print Date: 2018-12-13

Properties	Typical Data	Unit	Test Method
<b>Rheological properties</b>			
	dry / cond		
Molding shrinkage [parallel]	1.2 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.3 / *	%	Sim. to ISO 294-4
<b>Mechanical properties</b>			
	dry / cond		
Tensile modulus	2800 / -	MPa	ISO 527-1/-2
Yield stress	85 / -	MPa	ISO 527-1/-2
Nominal strain at break	15 / -	%	ISO 527-1/-2
Flexural modulus	2800 / 1100	MPa	ISO 178
Flexural strength	110 / 50	MPa	ISO 178
Charpy impact strength (+23°C)	N / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	3 / 27	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	75 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	166 / *	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.75 / *	mm	IEC 60695-11-10
<b>Electrical properties</b>			
	dry / cond		
Relative permittivity (1 MHz)	4 / -	-	IEC 60250
Volume resistivity	>1E13 / -	Ohm*m	IEC 60093
Surface resistivity	* / 2E14	Ohm	IEC 60093

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Properties	Typical Data	Unit	Test Method
Electric strength	26 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	V	IEC 60112

## Other properties

dry / cond

Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1130 / -	kg/m <sup>3</sup>	ISO 1183

## Material specific properties

dry / cond

Viscosity number	138 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628
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## Viscosity-shear rate

