

Novamid[®] 1011CH5–KR

PA6

Injection Molding, Molding Release, Lubricated, Nucleated, Heat Stabilized

Good and fast flow–ability. Very easy mold release. Ideal for injection molding. Ideal for high cycle injection molding production. Good flexibility. Good for hinged or bending feature of the parts.

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Molding shrinkage (parallel)	1.4 / *	%	ISO 294–4
Molding shrinkage (normal)	1.4 / *	%	ISO 294–4
<i>MECHANICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Tensile modulus	2800 / –	MPa	ISO 527–1/–2
Yield stress	77 / –	MPa	ISO 527–1/–2
Nominal strain at break	>50 / –	%	ISO 527–1/–2
Flexural modulus	2600 / –	MPa	ISO 178
Flexural strength	106 / –	MPa	ISO 178
Charpy impact strength (+23°C)	N / –	kJ/m ²	ISO 179/1eU
Charpy impact strength (–30°C)	N / –	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4.8 / –	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (–30°C)	2.4 / –	kJ/m ²	ISO 179/1eA
<i>THERMAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	56 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	153 / *	°C	ISO 75–1/–2
<i>OTHER PROPERTIES</i>			
	<i>DRY / COND</i>		
Humidity absorption	2.8 / *	%	Sim. to ISO 62

Property Data

Novamid® 1011CH5-KR

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Density	1130 / -	kg/m³	ISO 1183

MATERIAL SPECIFIC PROPERTIES

DRY / COND

Viscosity number	125 / *	cm³/g	ISO 307, 1157, 1628
------------------	---------	-------	---------------------

Viscosity-shear rate

