

**DOMAMID 6IK4 301 NC**

PA6

DOMO Engineering Plastics

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>2000</b>	MPa	ISO 527
Yield stress	<b>50</b>	MPa	ISO 527
Yield strain	<b>4</b>	%	ISO 527
Stress at break	<b>40</b>	MPa	ISO 527
Strain at break	<b>45</b>	%	ISO 527
Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>55</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>50</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>221</b>	°C	ISO 11357-1/-3

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1070</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>75 - 85</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>240 - 280</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Delivery form**

Natural Color

**Regional Availability**

North America, Europe, Asia Pacific