

**Promyde® B730 P**

PA6

Nurel S.A.

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>180 / *</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>275 / *</b>	°C	-
Load	<b>5 / *</b>	kg	-
Molding shrinkage, parallel	<b>0.2 / *</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0 / *</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>2900 / 1500</b>	MPa	ISO 527
Tensile Strength	<b>50 / 30</b>	MPa	ISO 527
Strain at break	<b>1.9 / 20</b>	%	ISO 527
Flexural modulus, 23°C	<b>2800 / 1300</b>	MPa	ISO 178
Flexural strength	<b>112 / 60</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>139 / N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>6.8 / 40</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>185 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>60 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>60 / *</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>70 / *</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>100 / *</b>	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>V-2 / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5 / *</b>	mm	-
Glow Wire Flammability Index (GWFI)	<b>800</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>1.5</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>825</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>1.5</b>	mm	-

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Haze	<b>3</b>	%	ASTM D 1003

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>9.5 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>3 / *</b>	%	Sim. to ISO 62
Density	<b>1150 / -</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>&lt;80</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Melt temperature	<b>210 - 290</b>	°C	-
Mold temperature	<b>0 - 80</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Copolymer

**Additives**

Lubricants

**Chemical Resistance**

General Chemical Resistance

**Special Characteristics**

Transparent

**Regional Availability**

Europe