

**Product Texts**

Polyether block amide **Pebax® 6333 SA 01 MED resin** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This grade offers the highest quality and it is specially designed to meet the stringent requirements of the medical applications such as minimally invasive devices.

**Pebax® 6333 SA 01 MED resin** also offers an excellent combination of properties such as: kink resistance, low friction coefficient and superior dynamic response.

Upon request, letters regarding USP Class VI compliance can be provided.

**Main applications:**

- Tubings like angiography and angioplasty catheters
- Flexible injected parts

**Packaging:**

This grade is delivered dried in sealed packaging (20 kg bags) ready to be processed.

**Shelf Life:**

Two years from the delivery. For any use above this limit, please refer to our technical services.

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>307 / 240</b>	MPa	ISO 527
<sup>[C]</sup> Yield stress	<b>19 / 18</b>	MPa	ISO 527
<sup>[C]</sup> Yield strain	<b>22 / 22</b>	%	ISO 527
<sup>[C]</sup> Nominal strain at break	<b>&gt;50 / &gt;50</b>	%	ISO 527
<sup>[C]</sup> Charpy notched impact strength, -30°C	<b>- / 20</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Shore D hardness	<b>58 / *</b>	-	ISO 7619-1

[C]: CAMPUS

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	<b>169 / *</b>	°C	ISO 11357-1/-3
<sup>[C]</sup> Vicat softening temperature, B	<b>85 / *</b>	°C	ISO 306

[C]: CAMPUS

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Water absorption	<b>1.1 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.7 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1010 / -</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>65 - 75</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Melt temperature	<b>230 - 290</b>	°C	-
Mold temperature	<b>25 - 60</b>	°C	-

**Characteristics**

**Processing**

Injection Molding, Other Extrusion

**Certifications**

Medical Grade, US Pharmacopeia Class VI Approved

**Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

**Special Characteristics**

Light stabilized or stable to light, Heat stabilized or stable to heat

**Other text information****Injection molding****Processing conditions:**

- Typical melt temperature (Min / Recommended / Max) : 230°C / 260°C / 290°C.
- Typical mold temperature : 25 – 60°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 65-75°C.

**Other extrusion****Processing conditions:**

- Typical melt temperature (Min / Recommended / Max) : 210°C / 225°C / 240°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 65-75°C.