

Pebax® 5533 SA 01 MED

TPA

ARKEMA

Polyether block amide **Pebax® 5533 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® 5533 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.

机械性能	干 / 湿	单位	试验方法
ISO数据			
拉伸模量	170 / 161	MPa	ISO 527
屈服应力	12 / 12	MPa	ISO 527
屈服伸长率	25 / 25	%	ISO 527
名义断裂伸长率	>50 / >50	%	ISO 527
肖氏硬度D, 15s	50 / -	-	ISO 868

热性能	干 / 湿	单位	试验方法
ISO数据			
熔融温度, 10°C/min	159 / *	°C	ISO 11357-1/-3
维卡软化温度, 50°C/h 50N	66 / *	°C	ISO 306

其它性能	干 / 湿	单位	试验方法
ISO数据			
吸水性	1.2 / *	%	类似ISO 62
吸湿性	0.6 / *	%	类似ISO 62
密度	1010 / 1010	kg/m³	ISO 1183

加工推荐 (注塑)	数值	单位	试验方法
预干燥-温度	65 - 75	°C	-
预干燥-时间	4 - 6	h	-
注塑熔体温度	200 - 270	°C	-
模具温度	25 - 60	°C	-

特征

加工方法

注塑, 其它挤出成型

特殊性能

经光稳处理的/耐光的, 经热稳处理的/耐热的

供货形式

粒料

生态估价

医用级, US药物六级认证

注塑

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 200°C / 240°C / 270°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.

其它挤出成型

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 210°C / 220°C / 230°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 65-75°C.