

PEBAX[®]

2533 SA 01 MED

聚醚嵌段酰胺Pebax[®] 2533 SA 01 MED 树脂是一种由柔性聚醚和硬质聚酰胺聚合的热塑性塑料弹性体。该质量最好，专门设计，满足微创器械等严格的医疗应用要求。应要求可提供 USP 第VI 类合规证明书。

性能	干 / 已调节	单位	测试标准
流变性能			
模塑收缩率, 平行	0.4 / *	%	ISO 294-4, 2577
模塑收缩率, 垂直	0.7 / *	%	ISO 294-4, 2577
机械性能			
拉伸模量	12 / 10	MPa	ISO 527-1/-2
	1740 / 1450	psi	
50%伸长率时的应力S	3 / 3	MPa	ISO 527-1/-2
	435 / 435	psi	
断裂伸长率	>50 / >50	%	ISO 527-1/-2
10%应变时的应力	1 / *	MPa	ISO 527-1/-2
	145 / *	psi	
100%应变时的应力	4 / *	MPa	ISO 527-1/-2
	580 / *	psi	
300%应变时的应力	5 / *	MPa	ISO 527-1/-2
	725 / *	psi	
断裂应变 TPE	>300 / *	%	ISO 527-1/-2
断裂应力 TPE	32 / *	MPa	ISO 527-1/-2
	4640 / *	psi	
肖氏硬度A, 15 s	74 / *	-	ISO 868
肖氏硬度D, 15 s	22 / *	-	ISO 868
简支梁冲击强度, +23°C	无断裂 / 无断裂	kJ/m ²	ISO 179/1eU
简支梁冲击强度, -30°C	无断裂 / 无断裂	kJ/m ²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	无断裂 / 无断裂	kJ/m ²	ISO 179/1eA
简支梁缺口冲击强度, -30°C	无断裂 / 无断裂	kJ/m ²	ISO 179/1eA
热性能			
熔融温度, 10°C/min	134 / *	°C	ISO 11357-1/-3
其它性能			
吸水性, 23°C, immersion, equilibrium	1.2 / *	%	ISO 62
吸湿性	0.4 / *	%	ISO 62
密度	1000 / 1000	kg/m ³	ISO 1183
	1 / 1	g/cm ³	

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Source: automatically generated TDS from Material Database on 12-08-2024

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主要应用

- 动脉导管
- 柔性注塑部件

包装

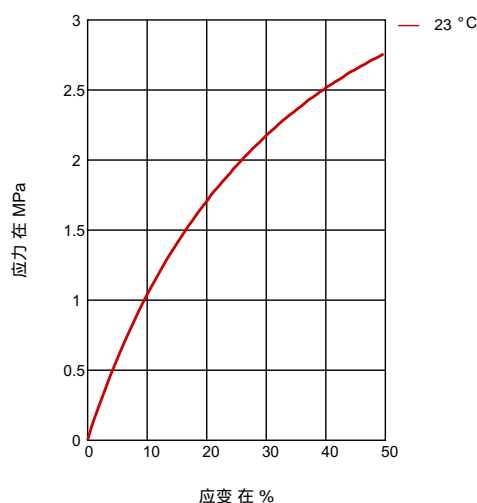
该牌号出厂时已干燥并密封包装（25公斤袋装），可直接进行加工。

保质期

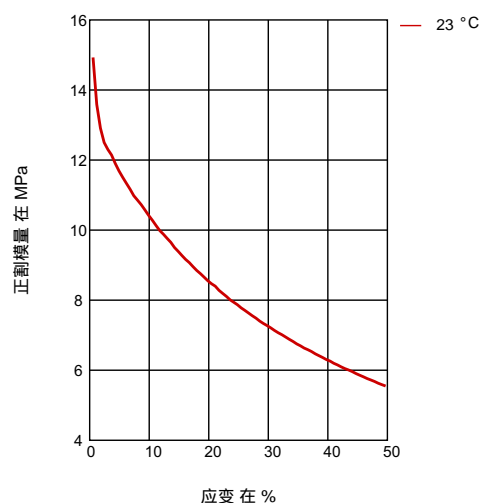
自发货之日起2年。有关过期使用的任何事宜，请咨询我司技术服务人员。

图表

应力 - 应变.



正割模量 - 应变.



加工条件：

— 推荐熔融温度（最小值/建议值/最大值）：180°C / 210°C / 240°C。

— 推荐成型温度：10 - 30°C。

— 干燥时间和温度（只有包装袋打开2小时以上时才有必要干燥）：4-8小时，55-65°C。

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加工方法 注塑	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
供货形式 粒料	
添加剂 润滑剂	
特殊性能 热稳定	
地区供应 北美, 欧洲, 亚太, 中南美洲, 中东/非洲	

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