PEBAX®
RNEW® 72R53 SP 01

聚醚嵌段Pebax® Rnew ® 72R53 SP 01 树脂
是一种基于可再生材料的、由柔性聚醚和硬质聚酰胺聚合的热塑性塑料弹性体。该SP具有耐热性和耐紫外线性。

性能	干 / 已调节	单位	测试标准
流变性能			
模塑收缩率, 平行	1.5 / *	%	ISO 294-4, 2577
模塑收缩率, 垂直	1.3 / *	%	ISO 294-4, 2577
机械性能			
拉伸模量	- / 560	MPa	ISO 527-1/-2
	- / 81200	psi	
屈服应力	- / 28	MPa	ISO 527-1/-2
	- / 4060	psi	
屈服伸长率	- / 28	%	ISO 527-1/-2
名义断裂伸长率	- / >50	%	ISO 527-1/-2
断裂应变 TPE	>300 / *	%	ISO 527-1/-2
断裂应力 TPE	55 / *	MPa	ISO 527-1/-2
	7980 / *	psi	
肖氏硬度D, 15 s	65 / *	-	ISO 868
简支梁冲击强度, +23°C	- / 无断裂	kJ/m²	ISO 179/1eU
简支梁冲击强度, -30°C	- / 无断裂	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	- / 无断裂	kJ/m²	ISO 179/1eA
简支梁缺口冲击强度, -30°C	- / 13	kJ/m²	ISO 179/1eA
	- / 6.18	ftlb/in²	
热性能			
熔融温度, 10°C/min	186 / *	°C	ISO 11357-1/-3
其它性能			
吸水性, 23°C, immersion, equilibrium	0.7 / *	%	ISO 62
吸湿性	0.8 / *	%	ISO 62
密度	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

主要应用
——滑雪靴
——专业运动鞋装备
包装
该牌号的供货规格为干燥型密封包装（20公斤袋装），可以随时加工处理。
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。

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Source: automatically generated TDS from Material Database on 20-02-2024

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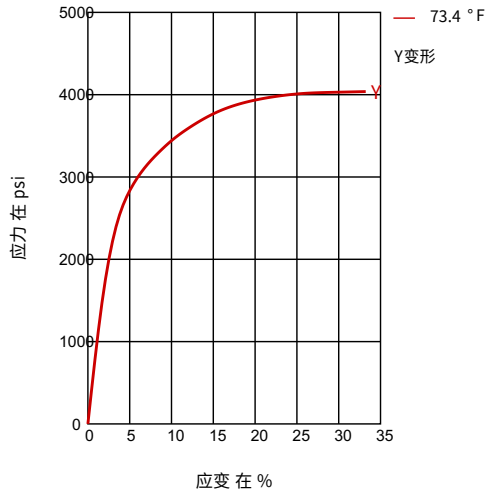
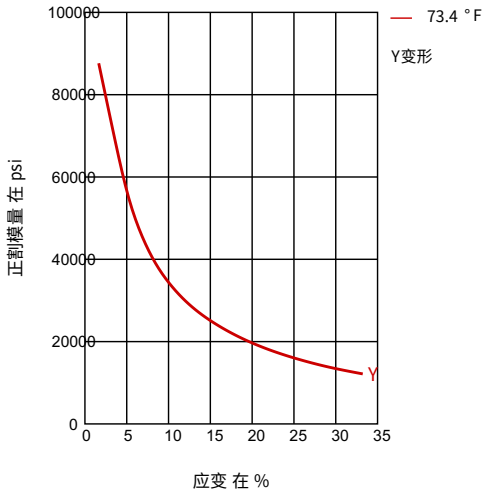
图表

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）：230℃/ 260℃/ 290℃。
—推荐成型温度：25-60℃。
—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）：5-7小时，70-80℃。

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—推荐熔融温度（最小值/建议值/最大值）：230℃/ 260℃/ 290℃。
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加工方法

注塑, 薄膜挤出成型, 异型材挤出成型, 其它挤出成型, 传递模塑成型, 浇铸成型, 热成型

供货形式

粒料

特殊性能

生物基, 热稳定, 光稳定

地区供应

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