PEBAX®
RNEW® 40R53 SP 01

聚醚嵌段Pebax® Rnew® 40R53 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。

依据ASTM D 6866，可再生碳含量为45%.

性能	干 / 已调节	单位	测试标准
流变性能			
模塑收缩率, 平行	0.6 / *	%	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	- / 75	MPa	ISO 527-1/-2
	- / 10900	psi	
50%伸长率时的应力S	- / 8.2	MPa	ISO 527-1/-2
	- / 1190	psi	
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	45 / *	MPa	ISO 527-1/-2
	6530 / *	psi	
肖氏硬度D, 15 s	39 / *	-	ISO 868
简支梁冲击强度, +23°C	无断裂 / 无断裂	kJ/m²	ISO 179/1eU
简支梁冲击强度, -30°C	无断裂 / 无断裂	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	无断裂 / 无断裂	kJ/m²	ISO 179/1eA
简支梁缺口冲击强度, -30°C	无断裂 / 无断裂	kJ/m²	ISO 179/1eA
热性能			
熔融温度, 10°C/min	148 / *	°C	ISO 11357-1/-3
其它性能			
%Bio-Based	45	-	ASTM D6866
吸水性, 23°C, immersion, equilibrium	1.4 / *	%	ISO 62
吸湿性	0.5 / *	%	ISO 62
密度	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

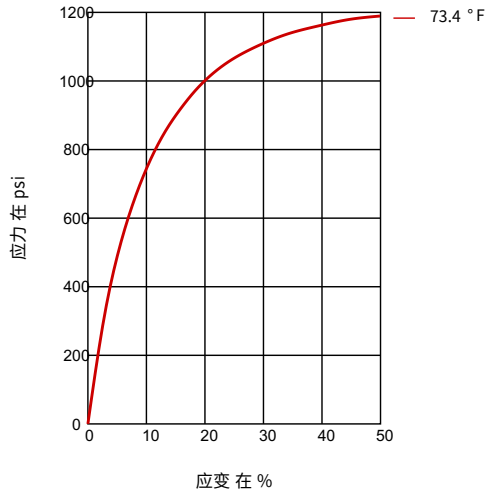
主要应用
——柔性注塑部件
包装
该牌号出厂时已干燥并密封包装（25公斤袋装），可直接进行加工。
保质期
自发货之日起2年。有关过期使用的任何事宜，请咨询我司技术服务人员。

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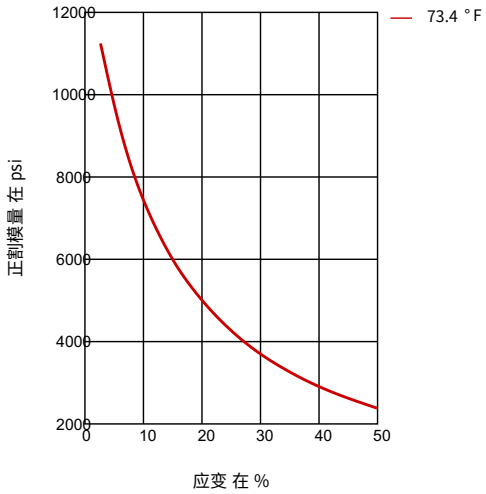
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图表

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）：210℃ / 220℃ / 230℃。
—推荐成型温度：10 – 30℃。
—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，60-70℃。
加工条件：
—推荐熔融温度（最小值/建议值/最大值）：200℃ / 240℃ / 270℃。
—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，60-70℃。

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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