

PEBAX[®] RNEW[®] 63R53 SP 01

Polyether block Pebax® Rnew® 63R53 SP 01 resin is a thermoplastic elastomer made of flexible polyether and rigid polyamide based on renewable resources. This SP grade has been developed to be heat and UV resistant.

The percentage of renewable carbon measured according to ASTM D6866 is 77%.

特性	乾燥/調湿	単位	テスト基準
レオロジー特性			
成形収縮率, 平行	1.3 / *	%	ISO 294-4, 2577
成形収縮率, 直角	1.2 / *	%	ISO 294-4, 2577
機械的特性			
引張弾性率	- / 245	MPa	ISO 527-1/-2
	- / 35500	psi	
降伏応力	- / 19	MPa	ISO 527-1/-2
	- / 2760	psi	
降伏ひずみ	- / 40	%	ISO 527-1/-2
破壊呼びひずみ	- / >50	%	ISO 527-1/-2
破壊ひずみ TPE	>300 / *	%	ISO 527-1/-2
破壊応力 TPE	51 / *	MPa	ISO 527-1/-2
	7400 / *	psi	
ショア硬さD, 15 s	56 / *	-	ISO 868
シャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	- / 未破壊	kJ/m²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m²	ISO 179/1eA
ノッチ付きシャルピー衝撃強さ, -30°C	- / 22	kJ/m²	ISO 179/1eA
	- / 10.5	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	180 / *	°C	ISO 11357-1/-3
その他の特性.			
%Bio-Based	77	-	ASTM D6866
吸水率, 23°C, immersion, equilibrium	1.5 / *	%	ISO 62
吸湿率	0.8 / *	%	ISO 62
密度	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

Main applications:

- Ski shoes
- Athletic foot wear components

Packaging:

This grade is delivered dried in sealed packaging (20 and 25 kg bags) ready to be processed.

Shelf Life:

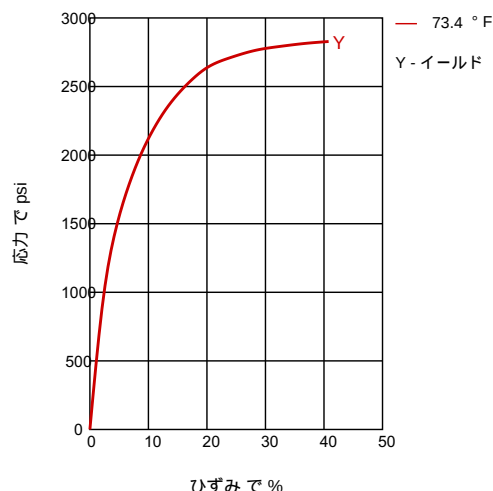
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Source: automatically generated TDS from Material Database on 20-02-2024

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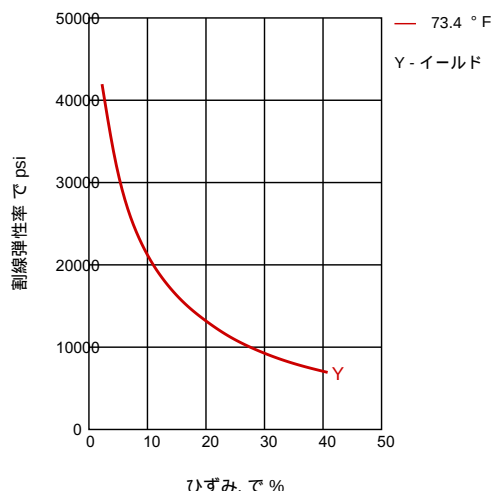
Two years from the delivery. For any use above this limit, please refer to our technical services.

機能

応力-ひずみ.



割線弾性率-ひずみ.



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) : 4-8 hours at 65-75°C

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): 4-8 hours at 65-75°C

成形加工法

射出成形, フィルム押出成形, 異形押出成形,
その他の押出成形, トランスファー成形, 注型, 熱成形

納入形状

ペレット

特殊な特性

バイオベース, 熱安定化, 光安定化

領域別の利用可能性

北アメリカ, ヨーロッパ, アジア/太平洋地域,
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