

PEBAX[®] RNEW[®] 70R53 SP 01

Pebax® Rnew® 70R53 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.

[Material Resources](#)
[This CP grade has been developed to be heat and](#)

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	- / 360	MPa	ISO 527-1/-2
	- / 52200	psi	
降伏応力	- / 24	MPa	ISO 527-1/-2
	- / 3480	psi	
降伏ひずみ	- / 42	%	ISO 527-1/-2
破壊呼びひずみ	- / >50	%	ISO 527-1/-2
伸び率300%時の応力	57 / *	MPa	ISO 527-1/-2
	8270 / *	psi	
破壊ひずみ TPE	>300 / *	%	ISO 527-1/-2
ショア硬さD, 15 s	62 / *	-	ISO 868
シャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m ²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	- / 未破壊	kJ/m ²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m ²	ISO 179/1eA
ノッチ付きシャルピー衝撃強さ, -30°C	- / 15	kJ/m ²	ISO 179/1eA
	- / 7.14	ftlb/in ²	
熱的特性			
溶融温度, 10°C/min	186 / *	°C	ISO 11357-1/-3
その他の特性.			
吸水率, 23°C, immersion, equilibrium	1 / *	%	ISO 62
吸湿率	0.7 / *	%	ISO 62
密度	1030 / 1030	kg/m ³	ISO 1183
	1.03 / 1.03	g/cm ³	

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:

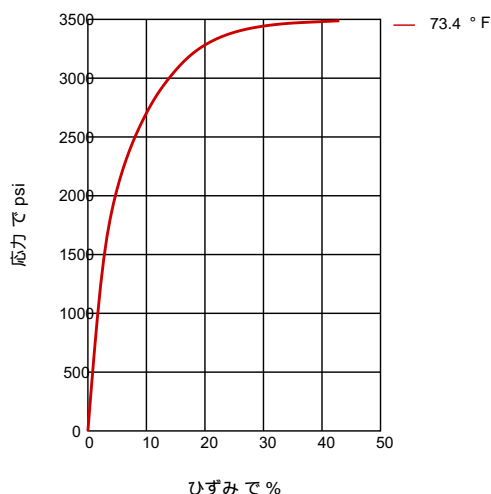
Two years from the delivery. For any use above this limit, please refer to our technical services.

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

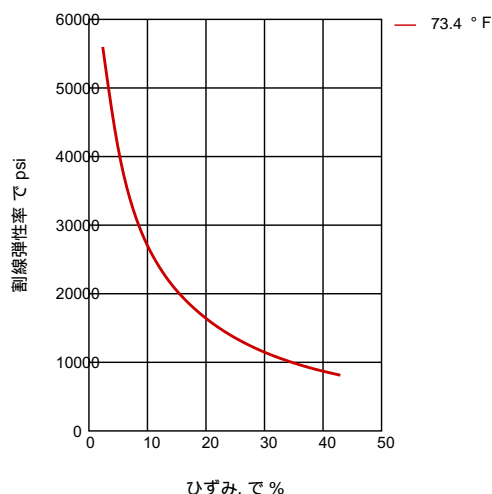
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機能

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) : 5-7 hours at 70-80°C.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max): 220°C / 235°C / 250°C.
- Drying time and temperature (only necessary for bags opened for more than two hours): 5-7 hours at 70-80°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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PEBAX[®]

RNEW[®] 70R53 SP 01

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