

PEBAX[®]

7233 SP 01

Polyether block amide Pebax[®] 7233 SP 01 resin is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SP grade has been developed to be heat and UV resistant.

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

1.1 / *

%

ISO 294-4, 2577

成形収縮率, 直角

1.3 / *

%

ISO 294-4, 2577

機械的特性

引張弾性率

- / 510
- / 74000

MPa
psi

ISO 527-1/-2

降伏応力

- / 26
- / 3770

MPa
psi

ISO 527-1/-2

降伏ひずみ

- / 18

%

ISO 527-1/-2

破壊呼びひずみ

- / >50

%

ISO 527-1/-2

伸び率10%時の応力

29 / *
4210 / *

MPa
psi

ISO 527-1/-2

伸び率100%時の応力

25 / *
3630 / *

MPa
psi

ISO 527-1/-2

破壊ひずみ TPE

>300 / *

%

ISO 527-1/-2

破壊応力 TPE

56 / *
8120 / *

MPa
psi

ISO 527-1/-2

引裂強さ

166 / *

kN/m

ISO 34-1

ショア硬さD, 15 s

61 / *

-

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

- / 15
- / 7.14

kJ/m²
ftlb/in²

ISO 179/1eA

ノッチ付きシャルピー衝撃強さ, -30°C

- / 10
- / 4.76

kJ/m²
ftlb/in²

ISO 179/1eA

熱的特性

溶融温度, 10°C/min

174 / *

°C

ISO 11357-1/-3

ピカット軟化温度, 50°C/h 50N

106 / *
223 / *

°C
°F

ISO 306

線膨張係数, 平行

120 / *

E-6/K

ISO 11359-1/-2

電気的特性.

比誘電率, 100Hz

7 / -

-

IEC 60250

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SDC/11-2018
Source: automatically generated TDS from Material Database on 20-02-2024

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比誘電率, 1MHz	4 / -	-	IEC 60250
誘電正接, 100Hz	1630 / -	E-4	IEC 60250
誘電正接, 1MHz	586 / -	E-4	IEC 60250
体積抵抗率	8E11 / -	Ohm* m	IEC 62631-3-1
表面抵抗率	* / 1.84E14	Ohm	IEC 62631-3-2
耐電圧	44.5 / - 1130 / -	kV/m kV/in	IEC 60243-1
耐トラッキング性	* / 600	-	IEC 60112
その他の特性.			
吸水率, 23°C, immersion, equilibrium	0.9 / *	%	ISO 62
吸湿率	0.7 / *	%	ISO 62
密度	1010 / 1010 1.01 / 1.01	kg/m³ g/cm³	ISO 1183

Main applications: • Athletic foot wear components • Ski shoes • Zip fasteners
• Hook and loop fasteners

Packaging:

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

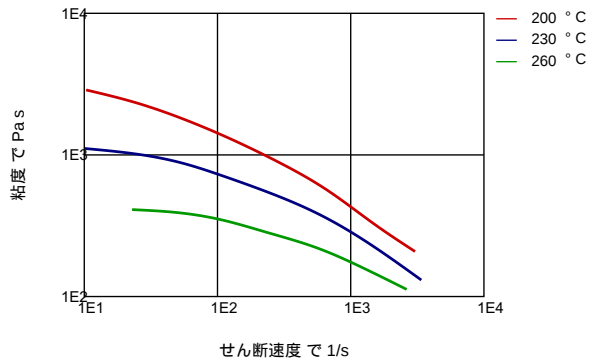
Shelf Life:

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

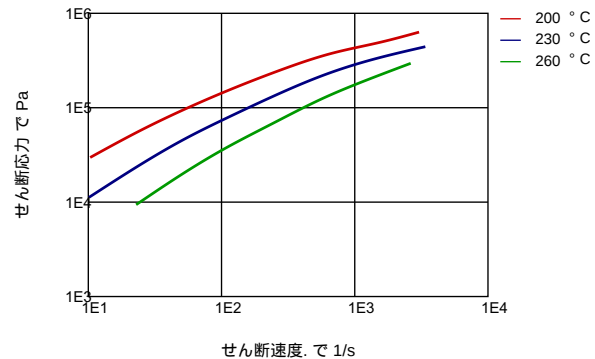
PEBAX® 7233 SP 01

機能

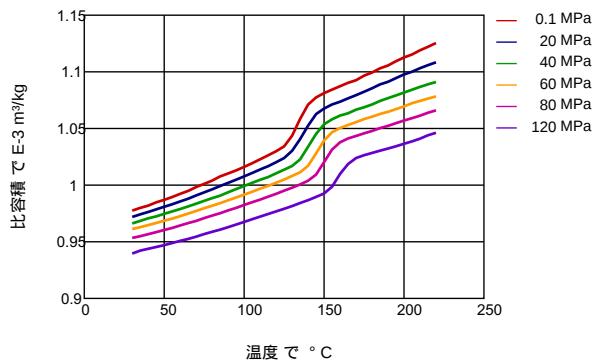
粘度せん断速度.



せん断応力-せん断速度.



PVT



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.

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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	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
納入形状 ペレット	
特殊な特性 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, 南・中央アメリカ, 近東/アフリカ	

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