

PEBAX[®] CLEAR 1200

Pebax[®] Clear 1200 resin combines a high transparency level with the excellent performance of Pebax[®] thermoplastic elastomer resin.

Pebax[®] Clear 1200 resin is produced from a renewable source and has a bio-based carbon content of 94% according ASTM D6866 (measurements).

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	0.5 / *	%	ISO 294-4, 2577
成形収縮率, 直角	0.5 / *	%	ISO 294-4, 2577
機械的特性			
引張弾性率	- / 1300	MPa	ISO 527-1/-2
	- / 189000	psi	
降伏応力	- / 43	MPa	ISO 527-1/-2
	- / 6240	psi	
降伏ひずみ	- / 5.1	%	ISO 527-1/-2
破壊呼びひずみ	- / >50	%	ISO 527-1/-2
ショア硬さD, 15 s	73 / *	-	ISO 868
ノッチ付きシャルピー衝撃強さ, +23°C	- / 8	kJ/m ²	ISO 179/1eA
	- / 3.81	ftlb/in ²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 12	kJ/m ²	ISO 179/1eA
	- / 5.71	ftlb/in ²	
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	94	-	ASTM D6866
密度	1030 / -	kg/m ³	ISO 1183
	1.03 / -	g/cm ³	
光学特性			
視感透過率	80	%	ISO 13468-1, -2

Main applications: • Consumer goods • Sports equipment

Packaging:

This grade is delivered dried in sealed packaging (25 kg bags).

Shelf life:

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

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 250°C / 270°C / 290°C.

- Typical mold temperature (mirror polish to get the optimum transparency) : 50–70°C.

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- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80°C.

成形加工法 射出成形	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 バイオベース, 透明	
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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