

# PEBAX<sup>®</sup> CLEAR 1200

Pebax<sup>®</sup> Clear 1200 resin combines a high transparency level with the excellent performance of Pebax<sup>®</sup> thermoplastic elastomer resin.

Pebax<sup>®</sup> 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
<b>レオロジー特性</b>			
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
<b>機械的特性</b>			
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 <sup>2</sup>	ISO 179/1eA
	- / 3.81	ftlb/in <sup>2</sup>	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 12	kJ/m <sup>2</sup>	ISO 179/1eA
	- / 5.71	ftlb/in <sup>2</sup>	
<b>熱的特性</b>			
溶融温度, 10°C/min	180 / *	°C	ISO 11357-1/-3
<b>その他の特性</b>			
%Bio-Based	94	-	ASTM D6866
密度	1030 / -	kg/m <sup>3</sup>	ISO 1183
	1.03 / -	g/cm <sup>3</sup>	
<b>光学特性</b>			
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.

# PEBAX<sup>®</sup>

## CLEAR 1200

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

<b>成形加工法</b> 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
<b>納入形状</b> ペレット	
<b>特殊な特性</b> バイオベース, 透明	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
<b>領域別の利用可能性</b> 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	

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.