

TECHNICAL DATA SHEET

PEBAX[®] CLEAR 800

POLYETHER BLOCK AMIDE PELLET

PEBAX[®] Clear 800 combines transparency, toughness and stiffness with the unique performance of Pebax[®] thermoplastic elastomer

TYPE

PEBA

MAIN APPLICATIONS

- Footwear - Outsole/Components
- Frames
- Accessories

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Injection Molding

RHEOLOGICAL PROPERTIES

特性	价值	UNIT	测试标准
Shrinkage, Parallel (t+24h) (2mm thick plate, mold at 40°C)	0.7	%	ISO 294-4
Shrinkage, Normal (t+24h) (2mm thick plate, mold at 40°C)	0.7	%	ISO 294-4

MECHANICAL PROPERTIES

特性	DRY / COND VALUE*	UNIT	测试标准
Flexural modulus, 23°C (73°F)	- / 850	MPa	ISO 178
Tensile modulus, 23°C (73°F), 1 mm/min	- / 900	MPa	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 29	MPa	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	- / 6	%	ISO 527-1/-2
Stress at break, 23°C (73°F), 50 mm/min	- / 38	MPa	ISO 527-1/-2
Strain at break, 23°C (73°F), 50 mm/min	- / > 200	%	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 40	kJ/m2	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 22	kJ/m2	ISO 179 1eA
Charpy unnotched impact strength, 23°C (73°F)	/ No Break	kJ/m2	ISO 179 1eU
Charpy unnotched impact strength, -30°C (-22°F)	/ No Break	kJ/m2	ISO 179 1eU
Hardness, Shore D, Instantaneous	/ 75		ISO 868
Hardness, Shore D, 15 s	- / 69		ISO 868

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

PEBAX® CLEAR 800

THERMAL PROPERTIES

特性	价值	UNIT	测试标准
Melting temperature, 10°C/min	188	°C	ISO 11357-1/-3

OTHER PROPERTIES

特性	价值	UNIT	测试标准
Bio-based carbon content	59	%	
Transmittance (2mm thick plate)	80	%	ISO 13468-1/-2

包装

Available packaging:

- 25 公斤 / 55 磅 袋

保质期

Two years from the date of delivery, when stored properly (sealed bags, appropriate moisture, UV protection and temperature). For any use above this limit, please refer to our technical services.

PROCESSING CONDITIONS:

- 典型熔融温度 (最小/推荐/最大) ——注塑成型: 270°C / 285°C / 300°C (520°F / 545°F / 570°F)
- 典型模具温度——注塑成型: 40-80°C (105-175°F)
- Drying time and temperature: 60-70°C (140-160°F) / 4-8 hours

SPECIAL CHARACTERISTICS

- Transparent

REGIONAL AVAILABILITY

Asia Pacific, Europe, Latin America and the Caribbean, Middle East, Northern America

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.
Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

arkema.com

