

## TECHNICAL DATA SHEET

# PEBAX<sup>®</sup> CLEAR 1200

### POLYETHER BLOCK AMIDE PELLET

Pebax<sup>®</sup> Clear 1200 combines high transparency and high rigidity with the unique performance of Pebax<sup>®</sup> thermoplastic elastomer. It is produced from a renewable and sustainable source (castor oil).

#### TYPE

PEBA

#### MAIN APPLICATIONS

- 신발류 - 밑창/구성품

#### 배송 방식

- 펠릿

#### 가공 공정

- 압출 - 일반
- 필름 압출
- 사출성형
- 튜브 압출

### RHEOLOGICAL PROPERTIES

| 속성                          | 값   | UNIT | 테스트 표준    |
|-----------------------------|-----|------|-----------|
| Shrinkage, Parallel (t+24h) | 0.5 | %    | ISO 294-4 |
| Shrinkage, Normal (t+24h)   | 0.5 | %    | ISO 294-4 |

### MECHANICAL PROPERTIES

| 속성                                              | DRY / COND VALUE* | UNIT  | 테스트 표준       |
|-------------------------------------------------|-------------------|-------|--------------|
| Hardness, Shore D, 15 s                         | - / 73            |       | ISO 868      |
| Nominal strain at break, 23°C (73°F), 50 mm/min | - / > 50          | %     | ISO 527-1/-2 |
| Yield strain, 23°C (73°F), 50 mm/min            | - / 5.1           | %     | ISO 527-1/-2 |
| Yield stress, 23°C (73°F), 50 mm/min            | - / 43            | MPa   | ISO 527-1/-2 |
| Tensile modulus, 23°C (73°F), 1 mm/min          | - / 1300          | MPa   | ISO 527-1/-2 |
| Charpy notched impact strength, 23°C (73°F)     | - / 8             | kJ/m2 | ISO 179 1eA  |
| Charpy notched impact strength, -30°C (-22°F)   | - / 12            | kJ/m2 | ISO 179 1eA  |
| Flexural modulus, 23°C (73°F)                   | - / 1200          | MPa   | ISO 178      |

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

| 속성                            | 값   | UNIT | 테스트 표준         |
|-------------------------------|-----|------|----------------|
| Melting temperature, 10°C/min | 180 | °C   | ISO 11357-1/-3 |

# PEBAX® CLEAR 1200

## OTHER PROPERTIES

| 속성                                 | 값    | UNIT  | 테스트 표준     |
|------------------------------------|------|-------|------------|
| Bio-based carbon content, Measured | 94   | %     |            |
| Specific gravity, 23°C (73°F)      | 1.03 | g/cm³ | ISO 1183-1 |

## 포장

Available packaging:

- 25 kg / 55 lb 가방

## 보관수명

납품일로부터 2년 후, 적절히 보관될 때 (밀봉 봉지, 적절한 습도, 자외선 차단 및 온도). 이 한도를 초과하는 모든 사용에 대해서는 기술 서비스팀에 문의하십시오.

## PROCESSING CONDITIONS:

- 일반적인 용융 온도(최소/권장/최대) - 사출 성형: 230°C / 260°C / 290°C (445°F / 500°F / 555°F)
- 일반적인 급형 온도 - 사출 성형: 20-80°C (70-175°F)
- 건조 시간 및 온도: 70-80°C (160-175°F) / 4-6 시간

## 특징

- 투명

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

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