

## TECHNICAL DATA SHEET PEBAX® MH 2030

### POLYETHER BLOCK AMIDE PELLET

PEBAX® MH 2030 is a polyether block amide, a thermoplastic elastomer made of flexible polyether and rigid polyamide. This grade is inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity of the final part.

#### DESIGNATION

PEBA

#### MAIN APPLICATIONS

- Film
- Antistatics

#### DELIVERY FORM

- Pellets

#### TRANSFORMATION PROCESSES

- Injection Molding

### RHEOLOGICAL PROPERTIES

| プロパティ                       | 価値    | テスト基準     |
|-----------------------------|-------|-----------|
| Shrinkage, Parallel (t+24h) | 0.7 % | ISO 294-4 |
| Shrinkage, Normal (t+24h)   | 0.6 % | ISO 294-4 |

### MECHANICAL PROPERTIES

| プロパティ                                  | DRY / COND VALUE* | テスト基準        |
|--|-------------------|--------------|
| Hardness, Shore D, 15 s                | - / 40            | ISO 868      |
| Tensile modulus, 23°C (73°F), 1 mm/min | - / 80 MPa        | ISO 527-1/-2 |
| Flexural modulus, 23°C (73°F)          | - / 80 MPa        | ISO 178      |

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

### THERMAL PROPERTIES

| プロパティ                         | 価値     | テスト基準          |
|-------------------------------|--------|----------------|
| Melting temperature, 10°C/min | 200 °C | ISO 11357-1/-3 |

### ELECTRICAL PROPERTIES

| プロパティ  | DRY / COND VALUE* | テスト基準         |
|--|-------------------|---------------|
| Surface resistivity, 23°C (73,4°F)               | - / 1.0E+7 ohm/sq | IEC 62631-3-2 |
| Volumic (transversal) resistivity, 23°C (73,4°F) | - / 100000 ohm/m  | IEC 62631-3-1 |

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

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## OTHER PROPERTIES

| プロパティ  | 価値                     | テスト基準      |
|--|------------------------|------------|
| Moisture absorption, At equilibrium at 23°C (73°F) / 50%HR | 4.5 %                  | ISO 62     |
| Water absorption, 23°C(73°F), immersion, equilibrium       | 120 %                  | ISO 62     |
| Specific gravity, 23°C (73°F)                              | 1.14 g/cm <sup>3</sup> | ISO 1183-1 |

## 包装

This grade is delivered dried in sealed packaging ready to be processed. Available packaging:

- 25 kg / 55 lb bags

## 賞味期限

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:

- 典型的な溶融温度 (最小 / 推奨 / 最大) - 射出成形: 210°C / 240°C / 270°C (410°F / 430°F / 520°F)
- 典型的な金型温度 - 射出成形: 10-30°C (50-90°F)
- Drying time and temperature: 60-70°C (140-160°F) / 4-8 hours

## SPECIAL CHARACTERISTICS

- Anti-static

## REGIONAL AVAILABILITY

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

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