

TECHNICAL DATA SHEET

PEBAX® MV 3000 SP 01

POLYETHER BLOCK AMIDE PELLET

PEBAX® MV 3000 SP 01 resin is a polyether block amide, a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SP grade is heat & UV stabilized. It is specifically designed for outdoor application that needs excellent weather resistance properties (breathable membranes). This hydrophilic grade, when extruded into either a thin film or laminated on to a substrate, is offers excellent permeability to moisture vapor while remaining waterproof.

DESIGNATION

PEBA

MAIN APPLICATIONS

- Film
- Breathable Films - Housewrap

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Calendering
- Injection Molding

ADDITIVES

- Heat Stabilized
- Light Stabilized

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Hardness, Shore D, 15 s	- / 35	ISO 868
Stress at 50% strain, 23°C (73°F), 50 mm/min	- / 7 MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	- / 45 MPa	ISO 527-1/-2
Flexural modulus, 23°C (73°F)	- / 45 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	158 °C	ISO 11357-1/-3

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	1 %	ISO 62
Water absorption, 23°C(73°F), immersion, equilibrium	28 %	ISO 62
Specific gravity, 23°C (73°F)	1.02 g/cm³	ISO 1183-1

PEBAX® MV 3000 SP 01

包装

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

- 20 kg / 44 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:

- 典型的な熔融温度 (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

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – 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](https://www.arkema.com)

ARKEMA