

## Arkema Group Pebax® MV 1074 SN 01 Polyether Block Amide (PEBA) (Dry)

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyether Block Amide (PEBA)

### Material Notes:

POLYETHER BLOCK AMIDE (PEBA) hardness 40 shore D breathable (high permeability to H2O vapor,CO2,O2) permanent antistatic grade

Applications: breathable films (medical, textile....) Permanent antistatic additive in polymersISO data provided by the manufacturer,

Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Pebax-MV-1074-SN-01-Polyether-Block-Amide-PEBA-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-MV-1074-SN-01-Polyether-Block-Amide-PEBA-Dry.php)

| Physical Properties                | Metric                               | English                              | Comments            |
|------------------------------------|--------------------------------------|--------------------------------------|---------------------|
| Density                            | 1.07 g/cc                            | 0.0387 lb/in <sup>3</sup>            |                     |
| Moisture Absorption at Equilibrium | 1.5 %                                | 1.5 %                                | Humidity Absorption |
| Melt Flow                          | 14 g/10 min                          | 14 g/10 min                          |                     |
|                                    | @Load 1.00 kg,<br>Temperature 235 °C | @Load 2.20 lb,<br>Temperature 455 °F |                     |

| Mechanical Properties   | Metric         | English        | Comments  |
|-------------------------|----------------|----------------|-----------|
| Hardness, Shore D       | 40             | 40             |           |
| Tensile Strength, Yield | 9.70 MPa       | 1410 psi       | 50 mm/min |
|                         | @Strain 50.0 % | @Strain 50.0 % |           |
| Tensile Modulus         | 0.0970 GPa     | 14.1 ksi       | 1 mm/min  |
| Charpy Impact Unnotched | NB             | NB             |           |
|                         | NB             | NB             | Low Temp  |
| Charpy Impact, Notched  | NB             | NB             |           |
|                         | NB             | NB             | Low Temp  |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Melting Point      | 158 °C | 316 °F  | 10°C/min |
| Oxygen Index       | 19.4 % | 19.4 %  |          |

| Optical Properties    | Metric | English | Comments   |
|-----------------------|--------|---------|--|
| Transmission, Visible | 80 %   | 80 %    | Mfr. reports 'Transparent' but doesn't quantify. |

| Electrical Properties  | Metric          | English         | Comments |
|------------------------|-----------------|-----------------|----------|
| Electrical Resistivity | 1.47e+11 ohm-cm | 1.47e+11 ohm-cm |          |
| Surface Resistance     | 3.45e+11 ohm    | 3.45e+11 ohm    |          |
| Dielectric Strength    | 5.00 kV/mm      | 127 kV/in       |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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