# Pebax® MV 1074 SA 01

Polyether Block Amide

Arkema

## Message:

Polyether block amide Pebax® MV 1074 SA 01 is a thermoplastic elastomer made of flexible and hydrophilic polyether and rigid polyamide.
Pebax® MV 1074 SA 01 is an inherently dissipative polymer and can be dry blended or compounded with a polymer matrix to lower the surface resistivity of the final part.
This hydrophilic grade when extruded into either a thin film or laminated on to a substrate offers excellent permeability to moisture vapor while remaining waterproof.
This SA grade is specially designed to food uses.

| General Information | | | |
|---|---|---|---|
| Additive | Antistatic | | |
| Features | Antistatic<br>Hydrophilic | | |
| Uses | Blending<br>Compounding<br>Film<br>Laminates<br>Membranes<br>Non-specific Food Applications | | |
| Processing Method | Compounding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.07 | g/cm³ | ISO 1183 |
| Water Absorption | | | ISO 62 |
| 23°C, 24 hr | 48 | % | |
| Equilibrium, 23°C, 50% RH | 1.4 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness (Shore D) | 40 | | ISO 868 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress (Break) | 30.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | > 700 | % | ISO 527-2 |
| Flexural Modulus | 80.0 | MPa | ISO 178 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Melting Temperature | 158 | °C | ISO 11357-3 |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Surface Resistivity | 3.0E+9 | ohms | IEC 60093 |
| Volume Resistivity | 2.5E+9 | ohms·cm | IEC 60093 |
| Charge Decay Time | < 1.0 | sec | MIL B-81705 |
| **Optical** | **Nominal Value** | | **Test Method** |

| | | | |
|---|---|---|---|
| Refractive Index | 1.502 | | Internal Method |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 65.0 to 75.0 | °C | |
| Drying Time | 4.0 to 6.0 | hr | |
| Processing (Melt) Temp | 200 to 270 | °C | |
| Mold Temperature | 25.0 to 60.0 | °C | |
| Extrusion | Nominal Value | Unit | |
| Drying Temperature | 65.0 to 75.0 | °C | |
| Drying Time | 4.0 to 6.0 | hr | |
| Melt Temperature | 210 to 230 | °C | |



## Recommended distributors for this material

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