Pebax® MV 1074 SN 01

Polyether Block Amide

Arkema

Message:

Pebax® MV 1074 SN 01 is a Polyether Block Amide (PEBA-Ether) product. It can be processed by blow molding, calendering, casting, coating, extrusion, film extrusion, injection molding, profile extrusion, resin transfer molding, sheet extrusion, or thermoforming and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.
Characteristics include:
Antistatic
Conductive
Good UV Resistance
Heat Resistant
Impact Resistant

General Information	
Additive	Antistatic
Features	Antistatic Electrically Conductive Good Impact Resistance Good UV Resistance High Heat Resistance
Appearance	Clear/Transparent
Forms	Granules
Processing Method	Blow Molding Calendering Casting Coating Extrusion Film Extrusion Injection Molding Profile Extrusion Resin Transfer Molding Sheet Extrusion Thermoforming
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1) Secant Modulus vs. Strain (ISO 11403-1) Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Dry	Conditioned	Unit	Test Method
Density	1070	1070	kg/m³	ISO 1183 [1]

Melt volume-flow rate (235°C/1.0 kg)	14.0	--	cm^3/10min	ISO 1133 [2]
Water Absorption				ISO 62 [3]
Saturation	48	--	%	
Equilibrium	1.5	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile modulus	97.0	89.0	MPa	ISO 527-2 [4]
Tensile Stress (50% Strain)	10.0	10.0	MPa	ISO 527-2 [5]
Tensile Strain (Break)	> 50	> 50	%	ISO 527-2 [6]
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy notched impact strength				ISO 179/1eA [7]
-30°C	No Break	--		
23°C	No Break	No Break		
Charpy impact strength				ISO 179/1eU [8]
-30°C	No Break	No Break		
23°C	No Break	No Break		
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Glass Transition Temperature [9]	-40	--	°C	ISO 11357-2 [10]
Melting Temperature [11]	158	--	°C	ISO 11357-3 [12]
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface resistivity	--	3.0E+8	ohms	IEC 60093 [13]
Volume resistivity	1.5E+9	2.5E+6	ohms·m	IEC 60093 [14]
Electric strength	5.0	--	kV/mm	IEC 60243-1 [15]
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Oxygen index	19	--	%	ISO 4589-2 [16]
NOTE				
1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
3.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
4.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
5.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
6.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			

7.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
8.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
9.	10 °C/min
10.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
11.	10 °C/min
12.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
13.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
14.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
15.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
16.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

Recommended distributors for this material

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