

Arkema Group Pebax® MV 1041 SN 01 Polyether Block Amide (PEBA) (Conditioned)

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

Material Notes:

POLYETHER BLOCK AMIDE (PEBA) hardness 60 shore D breathable (high permeability to H2O vapor,CO2,O2) permanent antistatic grade

Applications: breathable films (medical, textile....)ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-MV-1041-SN-01-Polyether-Block-Amide-PEBA-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in³	
Melt Flow	7.3 g/10 min	7.3 g/10 min	
	@Load 1.00 kg, Temperature 235 °C	@Load 2.20 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	
Tensile Strength, Yield	15.0 MPa	2180 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	28 %	28 %	50 mm/min
Tensile Modulus	0.227 GPa	32.9 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	170 °C	338 °F	(Dry)
Vicat Softening Point	155 °C	311 °F	50°C/hr; 50N
Oxygen Index	22.9 %	22.9 %	

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

Electrical Properties	Metric	English	Comments
Surface Resistance	5.00e+11 ohm	5.00e+11 ohm	

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