

Arkema Group Pebax® MX 1059 Polyether Block Amide (PEBA) (Conditioned)

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

Material Notes:

POLYETHER BLOCK AMIDE (PEBA) Hardness 35 shore D Good resistance to oils. Applications: Automotive, cable...ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-MX-1059-Polyether-Block-Amide-PEBA-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	
Melt Flow	9.0 g/10 min @Load 1.00 kg, Temperature 235 °C	9.0 g/10 min @Load 2.20 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	35	35	
Tensile Strength, Yield	5.90 MPa @Strain 50.0 %	856 psi @Strain 50.0 %	50 mm/min
Tensile Modulus	0.0420 GPa	6.09 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	200 µm/m-°C @Temperature 20.0 °C	111 µin/in-°F @Temperature 68.0 °F	
Melting Point	160 °C	320 °F	(Dry)
Deflection Temperature at 0.46 MPa (66 psi)	43.0 °C	109 °F	
Vicat Softening Point	127 °C	261 °F	50°C/hr; 50N
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB @Thickness 3.10 mm	HB @Thickness 0.122 in	

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