

Arylmax® P7000

PAEK

Polymics, Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3000	MPa	ASTM D 638
Tensile Strength at Break	98	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	3000	MPa	ASTM D 790
Flexural Strength	100	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Glass Transition Temperature	230	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1310	kg/m ³	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	180	°C	-
Pre-drying - Time	4	h	-
Mold temperature	200 - 210	°C	-
Feed temperature	380	°C	-
Zone 1	380	°C	-
Zone 2	380	°C	-
Nozzle temperature	380	°C	-

Characteristics**Processing**

Other Extrusion

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat