Arylmax® K7500

PEKK — Polymics, Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	**4500**	MPa	ASTM D 638
Tensile Strength	**105**	MPa	ASTM D 638
Elongation at Break	**10**	%	ASTM D 638
Flexural Modulus	**4400**	MPa	ASTM D 790
Flexural Strength	**156**	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	**353**	°C	ASTM D 3418
Glass Transition Temperature	**170**	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	**0.1**	%	ASTM D 570
Density	**1300**	kg/m³	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

Chemical Resistance
General Chemical Resistance

Special Characteristics
Heat stabilized or stable to heat

Regional Availability
North America, Europe, Asia Pacific

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