

Arylmax® K7500

Polyaryletherketone

Polymics, Ltd.

Message:

Arylmax® K7500 is a Polyaryletherketone (PAEK) product. It is available in North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4480	MPa	ASTM D638
Tensile Strength (Break)	105	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	4400	MPa	ASTM D790
Flexural Strength (Yield)	156	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	170	°C	DSC
Melting Temperature	353	°C	DSC
Injection	Nominal Value	Unit	
Drying Temperature	160	°C	
Drying Time	4.0	hr	
Rear Temperature	380	°C	
Middle Temperature	380	°C	
Front Temperature	380	°C	
Nozzle Temperature	380	°C	
Mold Temperature	200 to 210	°C	
Injection Rate	Fast		
Screw Compression Ratio	2.5:1.0 to 3.5:1.0		

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