

# Product Data

## Arylmax<sup>®</sup> P7000

Polyaryletherketone with Tg of 446°F (230°C)

<b>General</b>	<b>ASTM Test</b>	<b>US Value</b>	<b>SI Unit</b>
Density	D792	0.0473 lb/in <sup>3</sup>	1.31 g/ml
Moisture Absorption, 24 hours	D570	0.1%	0.1%
<b>Mechanical</b>			
Tensile Strength (Break)	D638	14210 psi	98 MPa
Tensile Modulus	D638	435 Kpsi	3.0 GPa
Tensile Elongation (Break)	D638	10%	10%
Flex Strength	D790	14500 psi	100 MPa
Flex Modulus	D790	435 Kpsi	3.0 GPa
<b>Thermal</b>			
Glass Transition Temperature (Tg)	DSC	446°F	230°C

<b>Processing</b>			
Drying Temperature	356°F (180°C)	Drying Time	4 hours
Feed Temperature	716°F (380°C)	Middle Temperature	716°F (380°C)
Front Temperature	716°F (380°C)	Nozzle Temperature	716°F (380°C)
Mold Temperature	392-410°F (200-210°C )	Injection Rate	Fast
Screw Compression	2.5 - 3.5:1		

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