

Product Data

Arylmax[®] K7500

Polyaryletherketone with Tg of 338°F (170°C)

General	ASTM Test	US Value	SI Unit
Density	D792	0.0473 lb/in ³	1.31 g/ml
Moisture Absorption, 24 hours	D570	0.1%	0.1%
Mechanical			
Tensile Strength (Break)	D638	15.2 Kpsi	105 MPa
Tensile Modulus	D638	650 Kpsi	4.5 GPa
Tensile Elongation (Break)	D638	10%	10%
Flex Strength	D790	22.6 Kpsi	156 MPa
Flex Modulus	D790	638 Kpsi	4.4 GPa
Thermal			
Melting Temperature (Tm)	DSC	667°F	353°C
Glass Transition Temperature (Tg)	DSC	338°F	170°C

Processing			
Drying Temperature	320°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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