



Arylmax[®] K7500GF30

Polyaryletherketone, 30% Glass Fiber Reinforced, with Tg of 338°F (170°C)

General	ASTM No.	US Value	SI Unit
Specific Gravity	D792	0.0545 lb/in ³	1.51 g/ml
Water Absorption (24hr. @ 23 °C, %)	D570	0.1%	
Mechanical			
Tensile Strength	D638	24.65 Kpsi	170 MPa
Tensile Modulus	D638	1.74 Mpsi	12 GPa
Tensile Elongation (Break), %	D638	2.6%	
Flexural Strength	D790	34.8 Kpsi	240 MPa
Flexural Modulus	D790	1.67 Kpsi	11.5 GPa
Thermal			
Melting Point	DSC	667 °F	353 °C
Tg, °F	D3418	338 °F	170 °C

Processing			
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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