



Arylmax[®] K7500

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

General	ASTM No.	US Value	SI Unit
Specific Gravity	D792	0.0473 lb/in ³	1.3 g/ml
Water Absorption (24hr. @ 23 °C, %)	D570	0.1%	
<u>Mechanical</u>			
Tensile Strength	D638	15.2 Kpsi	105 MPa
Tensile Modulus	D638	0.650 Mpsi	4.5 GPa
Tensile Elongation (Break), %	D638	10%	
Flexural Strength	D790	22.6 Kpsi	156 MPa
Flexural Modulus	D790	0.638 Kpsi	4.4 GPa
<u>Thermal</u>			
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		

This information and all further technical advice are based Polymics' present knowledge and experience. However, neither Polymics Ltd nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right. The use of this product resides on the determination of the customer not Polymics Ltd. The customer must determine suitability of any information or material for any contemplated use, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Polymics reserves the right to make additions, deletions, or modifications to the information at any time without prior notification

*Polymics • 2215 High Tech Rd. • State College • PA 16803 USA • TEL: (814) 357-5860
1006 Guangfu Rd. • Bade City • Taoyuan 33455 Taiwan • TEL: 886 (3) 339-8000*