

Product Data

Arylmax[®] K7500WC30

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

General	ASTM Test	US Value	SI Unit
Density	D792	0.0525 lb/in ³	1.45 g/ml
Moisture Absorption, 24 hours	D570	0.1%	0.1%
Mechanical			
Tensile Strength (Break)	D638	18850 psi	130 MPa
Tensile Modulus	D638	1450 Kpsi	10 GPa
Elongation (Break)	D638	3.0%	3.0%
Flexural Strength	D790	30450 psi	210 MPa
Flexural Modulus	D790	1380 Kpsi	9.5 GPa
Thermal			
Melting Temperature (Tm)	DSC	667°F	353°C
Glass Transition Temperature (Tg)	DSC	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*