



Arylmax[®] K7500WC30

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

General	ASTM No.	US Value	SI Unit
Specific Gravity	D792	0.0525 lb/in ³	1.45 g/ml
Water Absorption (24hr. @ 23 °C, %)	D570	0.1%	
<u>Mechanical</u>			
Tensile Strength	D638	18.85 Kpsi	130 MPa
Tensile Modulus	D638	1.45 Mpsi	10 GPa
Tensile Elongation (Break), %	D638	3%	
Flexural Strength	D790	30.45 Kpsi	210 MPa
Flexural Modulus	D790	1.38 Mpsi	9.5 GPa
<u>Thermal</u>			
Melting Point	DSC	667 °F	353 °C
Tg, °F	D3418	338 °F	170 °C
<u>Wear</u>			
Limiting PV	Psi-fpm	20,000	
Coefficient of Friction (dry vs steel)	D1894	0.20	

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*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*