



# CELAZOLE® U-60 CF

## PBI with 30% Carbon Fiber

General	ASTM #	US Value	SI Unit
Density, lb/in <sup>3</sup>	D792	0.051	1.42g/ml
Filler Content (Nominal value)	----	25 %	25 %
Moisture Absorption @24hr., %	D570	0.4%	
<b>Mechanical</b>			
Tensile Strength, kpsi	D638	36	250 MPa
Modulus, kpsi	D638	1740	12 GPa
Flexural Strength kpsi	D790	42	290 MPa
Flexural Modulus, kpsi	D790	1885	13 GPa
Compressive Strength, kpsi	D695	65	450 MPa
Compressive Modulus Mpsi	D695	1595	11 GPa
<b>Thermal</b>			
Heat Deflection Temp.	D 648	842 °F	450 °C
Coefficient of Thermal Expansion			
75-300 °F (25-150 °C)	TMA	12 µm/m °C	
390-570 °F (200-300 °C)	TMA	18 µm/m °C	

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*