



PoliXL™ PCM6BK

PC, Melt Index 6, Black

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.2 g/cc	1.2 g/cc	D792
Mold Shrinkage			D955
Parallel: 23 °C	-	-	
Perpendicular: 23°C	-	-	
Melt Flow Rate (2.16kg, 230 °C)	6 g/10min	6 g/10min	D1238
Ash (Glass-fiber)	-	-	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	9,430 psi	65 MPa	D638
Tensile Strain (Break)	110 %	110 %	D638
Flexural Modulus	339,000 psi	2,330 MPa	D790
Flex Strength	13,500 psi	93 MPa	D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength 23 °C	-	-	ISO 179
Charpy Unnotched Impact Strength 23°C	-	-	ISO 179
Notched Izod Impact Strength 23°C	15 ft-lb/in	80 kJ/m ²	D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75
0.45 MPa Unannealed	275 °F	135 °C	
1.8 MPa Unannealed	266 °F	130 °C	
Melting Temperature	-	-	DSC

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
0.71 mm	V-2	V-2	UL94
1.50 mm	V-2	V-2	UL94
3.00 mm	V-1	V-1	UL94



Legal Disclaimer

The information presented here is accurate and reliable. Because conditions of use are beyond our control, we make no warranties, expressed or implied and specifically exclude any and all warranties of merchantability and fitness for a particular purpose. Our products are sold with the express understanding that our customers will conduct their own tests to determine the suitability of the material for their particular use. Nothing herein shall be construed as permission or recommendation to practice a patented invention without a license. The sole liability for Niche Polymer for any claims arising out of the manufacturer, use or sale of its products shall be for our customers purchase price or material replacement.

