



Phone: (517) 295-4196 Fax: (517) 295-4918

Technical Data Sheet
LCA® PBT 30GF Black
PBT 30% Glass Fiber

Typical Compound Properties	Value / Measure	Test Methods
Physical Properties		
	English Units (ISO)	
Density	1.52 g/cm ³	ASTM D-792
Ash Content	30 %	ASTM D-5630
Mechanical Properties		
Izod Impact	1.30 ft-lb/in	ASTM D-256
Tensile Strength	17,000 psi	ASTM D-638
Flexural Modulus	1,200,000 psi	ASTM D-790
Thermal Properties		
All tests are performed on dry as molded ASTM (ISO) test bars.		
General Product Type Information		

The property values listed above have been obtained using laboratory controlled test methods. They are offered without guarantee since conditions under which the product is used are beyond our control. Therefore, Uniplas, Inc. disclaims any liability for loss or damage incurred in connection with the use of this product.

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Typical Processing Conditions		
Process Variable	Description	Values
Temperatures		F C
Barrel	Rear	450 - 480
	Center	475 - 500
	Front	475 - 510
	Nozzle	475 - 510
	Mold	150 - 210
	Process Temp	485 - 525
Drying		
Type		Dehumidifier
Temperature		230°F - 250°F
Time		3 - 4 Hours
Max. % Moisture		0.02%
Special Requirements		

Optimum processing conditions will depend on such factors as machine size, screw design, part dimension, mold design, runner and gate design, and material residence time. These recommendations are intended only as a guide to achieve stable processing and good part quality.

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