



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

Technical Data Sheet

LCA® PPCO30GF

30% Fiberglass Reinforced Copolymer Polypropylene

Typical Compound Properties		Value / Measure		Test Methods
Physical Properties		English Units (ISO)	Metric Units	
Melt Flow Rate @ 230 / 2.16		15 g/10 min		ASTM D-1238
Density		1.13 g/cm3	1.13 g/cm3	ASTM D-792
Ash Content		30 %	30 %	ASTM D-5630
Linear Mold Shrinkage		in/in	mm/mm	ASTM D-955
Mechanical Properties				
Izod Impact - Notched		1.2 ft-lb/in (kJ/m)	64 J/m	ASTM D-256
Tensile Strength @ Yield	8,000	psi (Mpa)	55 MPa	ASTM D-638
Tensile Strength @ Break		psi (Mpa)	0 MPa	ASTM D-638
Tensile Elongation @ Yield		%	0 %	ASTM D-638
Tensile Elongation @ Break	12 %		12 %	ASTM D-638
Flexural Strength @ Yield	22,000	psi (Mpa)	152 MPa	ASTM D-790
Flexural Stress @ Break		psi (Mpa)	0 MPa	ASTM D-790
Flexural Stress @ 5% Strain		psi (Mpa)	0 MPa	ASTM D-790
Flexural Modulus	650,000	psi (Mpa)	4,485 MPa	ASTM D-790
Thermal Properties				
DTUL @ 66 psi (455 kPa)		Deg. F	Deg. C	ASTM D-648
@ 264 psi (1820 kPa)		Deg. F	Deg. C	ASTM D-648
Vicat Softening Temperature		Deg. F	Deg. C	ASTM D-1525

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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Process Variable	Typical Processing Conditions	
	Description	Values
Temperatures		
Barrel	Rear	420 - 440
	Center	430 - 450
	Front	440 - 460
	Nozzle	450 - 470
	Mold	80 - 150
Drying		
Type		
Temperature		
Time		
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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