



## Technical Data Sheet

### LCA® PPCO30GF

#### 30% Fiberglass Reinforced Copolymer Polypropylene

Typical Compound Properties	Value / Measure		Test Methods
<b>Physical Properties</b>			
	English Units (ISO)	Metric Units	
Melt Flow Rate @ 230 / 2.16	15 g/10 min		ASTM D-1238
Density	1.13 g/cm <sup>3</sup>	1.13 g/cm <sup>3</sup>	ASTM D-792
Ash Content	30 %	30 %	ASTM D-5630
Linear Mold Shrinkage	in/in	mm/mm	ASTM D-955
<b>Mechanical Properties</b>			
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
<b>Thermal Properties</b>			
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





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Typical Processing Conditions			
Process Variable	Description	Values	
<b>Temperatures</b>		<b>F</b>	<b>C</b>
Barrel	Rear	420 - 440	
	Center	430 - 450	
	Front	440 - 460	
	Nozzle	450 - 470	
	Mold	80 - 150	

#### Drying

Type  
Temperature  
Time

