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

Technical Data Sheet

LCA® PPCO 2020UV Black

High Flow Copolymer Polypropylene UV Stabilized

Typical Compound Properties	Value / Measure				Test Methods
Physical Properties	**English Units (ISO)**		**Metric Units**		
Melt Flow Rate @ 230 / 2.16	20	g/10 min			ASTM D-1238
Density	0.91	g/cm3	0.91	g/cm3	ASTM D-792
Ash Content		%	0	%	ASTM D-5630
Linear Mold Shrinkage		in/in		mm/mm	ASTM D-955
Mechanical Properties					
Izod Impact - Notched	2	ft-lb/in (kJ/m	107	J/m	ASTM D-256
Tensile Strength @ Yield	3,000	psi (Mpa)	21	MPa	ASTM D-638
Tensile Strength @ Break		psi (Mpa)	0	MPa	ASTM D-638
Tensile Elongation @ Yield		%	0	%	ASTM D-638
Tensile Elongation @ Break		%	0	%	ASTM D-638
Flexural Strength @ Yield		psi (Mpa)	0	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	128,500	psi (Mpa)	887	MPa	ASTM D-790
Thermal Properties					
DTUL @ 66 psi (455 kPa)		Deg. F	-17.7777778	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

Uniplas, Inc. 1145 Sutton St. Howell, MI 48843

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Typical Processing Conditions

Process Variable	Description	Values	
Temperatures		**F**	**C**
Barrel	Rear	360 - 400	
	Center	380 - 410	
	Front	400 - 430	
	Nozzle	400 - 430	
	Mold	70 - 120	

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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