



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/cm ³	0.91 g/cm ³	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





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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

