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

Technical Data Sheet

LCA® PPCO 20MF15TFUV Black

High Melt, 15% Talc Filled Copolymer Propylene 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	1.05 g/cm3	1.05 g/cm3	ASTM D-792
Ash Content	15 %	15 %	ASTM D-5630
Linear Mold Shrinkage	in/in	mm/mm	ASTM D-955
Mechanical Properties			
Izod Impact - Notched	2.1 ft-lb/in (kJ/m	112 J/m	ASTM D-256
Tensile Strength @ Yield	4,750 psi (Mpa)	33 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	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	128,000 psi (Mpa)	883 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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Typical Processing Conditions

Process Variable	Description	Values	
Temperatures		**F**	**C**
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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