



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

Technical Data Sheet
LCA® TPE-ZF87A
Thermoplastic Elastomer

Typical Compound Properties	Value / Measure		Test Methods
Physical Properties	English Units (ISO)	Metric Units	
Density	0.95 g/cm3		ASTM D-792
Hardness	87 Shore A		ASTM D-2240
Mechanical Properties			
Tensile Strength @ Yield	2,150 psi (Mpa)		ASTM D-412
Tensile Elongation @ Break	470 %		ASTM D-412
Tensile Modulus (100%)	970 psi		ASTM D-412
Tension Set	28 %		ASTM D-412
Compression Set - 70 Hours	28 %		ASTM D-395
Brittle Point	<-75 °F		ASTM D-746
Thermal Properties			

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	370 - 380
	Center	380 - 390
	Front	380 - 390
	Nozzle	400 - 410
	Mold	50 - 175
Drying		
Type		Dehumidifier
Temperature		175°F
Time		3 - 4 Hours
Max. % Moisture		0.08
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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