

# EnLast 68196

TPE



Product Description					
Thermoplastic Elastomer, 83 Shore A					
General Properties					
Appearance	Black Natural Colors				
Processing Methods	Injection Molding				
Applications	Automotive, Appliance, General Industrial				
Mechanical Properties		Test Method	English Units		S.I. Units
Tensile Strength @ Yield		ASTM D638	1,685	psi	12 MPa
Tensile Elongation at Break		ASTM D638	600	%	600 %
Physical Properties		Test Method	English Units		S.I. Units
Specific Gravity		ASTM D792	0.93	sp gr	0.93 sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)		ASTM D955	.011-.014	in/in	0.279 - 0.356 mm/mm
Shore hardness (A-Scale)		ASTM D785	83 shore A		83 shore A
Injection Molding			Value		
Rear Barrel Temperatures			320 - 360	°F	
Middle Barrel Temperatures			340 - 380	°F	
Front Barrel Temperatures			360 - 400	°F	
Nozzle Temperature			360 - 400	°F	
Melt (processing) Temperatures			380 - 400	°F	
Mold Temperatures			90 - 160	°F	
Back Pressure			25 - 100	psi	
Screw speed			25 - 75	rpm	
Vent Depth			0.0005 - 0.0015	in	

These Data Sheet Values are Typical Values and are not intended for specification purposes. These values should only be used as a guide and no assurances by EnCom, Inc. can be granted that all molded articles will exhibit duplicate properties as those listed above. Each material user should perform their own testing for suitability.

EnCom Polymers, Inc.

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