

EnLast 12A

TPE



Product Description				
Thermoplastic Elastomer				
General Properties				
Appearance	Translucent			
Processing Methods	Injection Molding			
Applications	Automotive, Appliance, Tool and Equipment			
Mechanical Properties		Test Method	English Units	S.I. Units
Tensile Strength @ Yield	ASTM D638	366	psi	3 MPa
Tensile Modulus	ASTM D638	80	psi	1 MPa
Tensile Elongation at Break	ASTM D638	800	%	800 %
Physical Properties		Test Method	English Units	S.I. Units
Rockwell Hardness (R-Scale)	ASTM D785	12 Shore A		12 Shore A
Injection Molding		Value		
Suggested Maximum Moisture		0.05	%	
Rear Barrel Temperatures		250 - 330	°F	
Middle Barrel Temperatures		300 - 340	°F	
Front Barrel Temperatures		340 - 370	°F	
Nozzle Temperature		340 - 390	°F	
Melt (processing) Temperatures		350 - 380	°F	
Mold Temperatures		50 - 70	°F	
Back Pressure		0 - 90	psi	
Screw speed		100 - 200	rpm	
Vent Depth		0.0005 - 0.0010	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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