

# EnLast 270A

TPU



Product Description					
Thermoplastic Polyurethane - 70 Shore A					
General Properties					
Appearance	Natural				
Processing Methods	Injection Molding				
Applications	Automotive, Appliance, General Industrial				
Mechanical Properties		Test Method	English Units		S.I. Units
Tensile Strength @ Break		ASTM D638	3,900	psi	27 MPa
Tensile Elongation at Break		ASTM D638	850	%	850 %
Physical Properties		Test Method	English Units		S.I. Units
Specific Gravity		ASTM D792	1.17	sp gr	1.17 sp gr
Shore Hardness		ASTM D2240	64	Shore A	64 Shore A
Tear Strength		ASTM D624	222	lb/in	32 Mpa
Compression Set @ 70F		ASTM D395	20.0	%	20 %
Injection Molding			Value		
Drying Temperature			180	°F	
Drying Time			2.00	hrs	
Suggested Maximum Moisture			0.2	%	
Rear Barrel Temperatures			380 - 400	°F	
Middle Barrel Temperatures			390 - 410	°F	
Front Barrel Temperatures			400 - 420	°F	
Nozzle Temperature			390 - 410	°F	
Mold Temperatures			80 - 120	°F	
Back Pressure			5 - 50	psi	
Screw speed			25 - 75	rpm	
Vent Depth			0.0005 - 0.0015	in	

# EnLast 270A

TPU



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.

812-421-7700 • [www.encompolymers.com](http://www.encompolymers.com)