

EnLast 14196

TPE



Product Description			
Thermoplastic Elastomer, 85 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	887 psi	6 MPa
Tensile Elongation at Break	ASTM D638	500 %	500 %
Physical Properties	Test Method	English Units	S.I. Units
Specific Gravity	ASTM D792	0.96 sp gr	0.96 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	85 Shore A	85 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.

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