

EnLast 170A

TPV



Product Description					
• Thermoplastic Vulcanizate, 70 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	ISO 37, Type 1, 50mm/min	725	psi	5.0	MPa
Tensile Elongation at Break	ISO 37, Type 1, 50mm/min	400	%	400	%
Tear Strength	ISO 34-1, Method B, Procedure b, 50mm/min	145	pli	26	kN/m
Low Temperature Brittleness @ -40°C	ISO 812	Pass		Pass	
Ozone Resistance Procedure A, 51 MPa, 20% Elongation	ISO 1431-1	No Cracking		Pass	
Heat Aging Resistance	Test Method	English Units		S.I. Units	
(1008 Hours at 100°C in an air circulating oven followed by indicated property testing at 23°C)					
Hardness Change	ISO 188	1	%	1	%
Tensile Strength Change	ISO 188	9	%	9	%
Elongation Change	ISO 188	-11	%	-11	%
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity (Method A)	ISO 1183, Method A	1.02	sp gr	1.02	sp gr
Rockwell Hardness	ISO 868, 15 sec delay	70 Shore A		70 Shore A	
Injection Molding		Value			
Rear Barrel Temperatures		320 to 360 °F			
Middle Barrel Temperatures		340 to 380 °F			
Front Barrel Temperatures		360 to 400 °F			
Nozzle Temperature		360 to 400 °F			
Melt (processing) Temperatures		380 to 400 °F			
Mold Temperatures		90 to 160 °F			
Back Pressure		25 to 100 psi			
Screw speed		25 to 75 rpm			
Vent Depth		0.0005 to 0.0015 inch			

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.