

MATERIAL TESTING RESULTS



Epic Plastics sent seven different samples to CRT Laboratories for testing. The objective was to show that HDPE Epic Edge® and Benda Board® are superior to all other competitor products in the market.

CONDUCTED TESTS

- 1 ASTMD256-23 Notched IZOD Impact
- 2 ASTMD638-22 Tensile Properties
- 3 ASTMD790-17 Flexural Properties



TENSILE PROPERTIES

FLEXURAL PROPERTIES

EDGING PRODUCT	IZOD IMPACT	PEAK STRENGTH	TAN MOD	HEAT DEFLECTION	FLEXURAL STRENGTH	FLEXURAL MOD
	FT-LB/IN	PSI	PSI	°F	PSI	PSI
EPIC PLASTIC BENDA BOARD	1.34	1,762	74,200	113.90	2,029	82,031
EPIC EDGE	1.19	2,615	140,600	139.82	3,672	196,057
BEST PLUS	1.16	1,320	53,800	112.46	1,708	56,183
CDOW	0.66	1,093	37,300	108.68	1,569	50,394
BEST EDGING	2.34	1,100	40,200	111.90	1,296	44,366
WESTERN STATES	1.95	1,665	51,900	113.36	1,604	51,568
VALLEY VIEW	0.89	1,150	37,900	107.42	1,290	49,186

See reverse side for conducted tests

EPIC PLASTICS OUTPERFORMED THE COMPETITOR PRODUCTS IN THE MARKET

Durability You Can Trust | Built to Endure the Test of Time



RESILIENT TURF ANCHOR

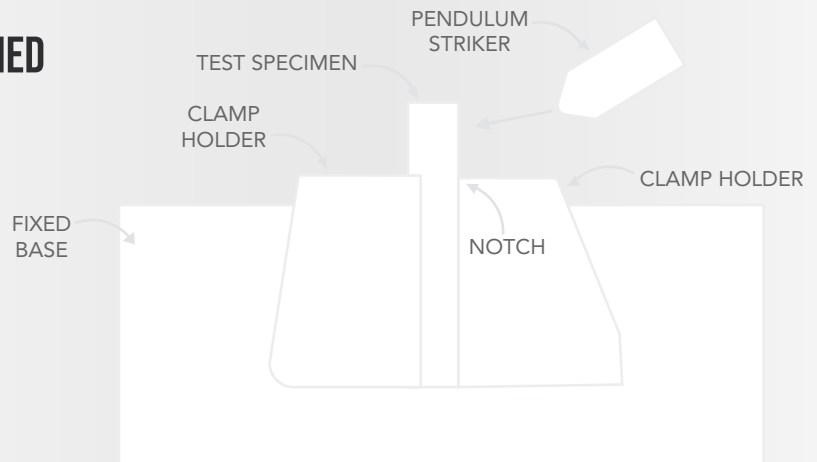
WITHSTANDS FORCE AND IMPACT

ROBUST & DURABLE - CAN WITHSTAND INDUSTRIAL MOWER

LABORATORY TESTS

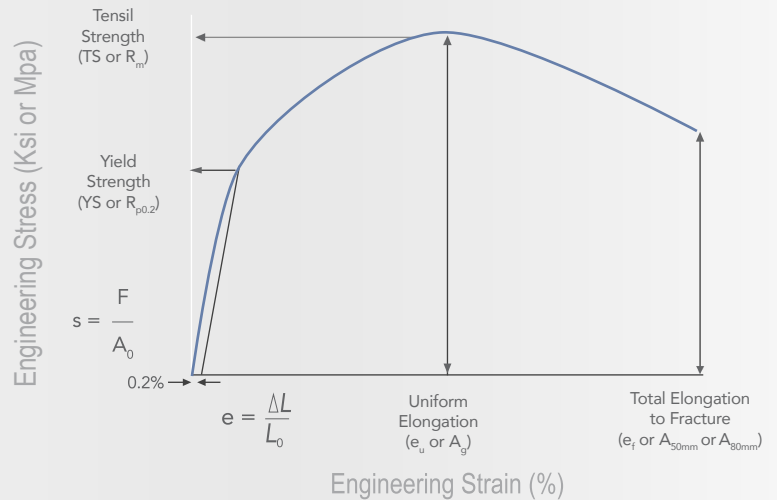
ASTMD256-23 NOTCHED IZOD IMPACT

The boards are notched and hit with a 2 lb. hammer. The value determines the impact resistance or toughness of the material.



ASTMD638-22 TENSILE PROPERTIES

Indicates how the material reacts in tension to a force. The peak strength is the highest point of the stress strain curve (see below image). Tan modulus is the slope of the stress-strain curve. This indicates the stiffness of the property in tension.



ASTMD790-17 FLEXURAL PROPERTIES

Indicates how the material reacts under a compression force. This test measures the force required to bend a beam under 3-point loading condition. Flexural strength is material's ability to resist deformation under a load. Flexural Mod refers to a material's stiffness.

