

Factory Test Data for the MoRich

Ravage

Ball Information

Cover Type: Reactive Resin

Cover Name: **RAY** (Rotational Angular Velocity)

Nature: Skid/Snap

Core Technology: Triple Density, Dual Flip Block
Free Form MOTioned Tuned

Enhanced Marked Mass Bias: Yes

Factory Finish: Polished

Color: Blue/Purple with Copper Swirl



Ball Layout

“Sharp Break Point” layout, from the box drilling instructions, for medium track players. Designed to produce maximum track flare, sharp break point, and max revs.

Pin to PAP distance = 3 3/8”

RC (mass bias) to PAP distance = 5 1/4”

Pin height above the midline = 2 1/4”

Test Patterns Used

Pattern #1

40 ft. Fresh house condition with stripped backends on synthetic lanes

Pattern #2

45 ft. FIQ Compliant 3 to 1 blend
(5 units of oil minimum)



About the Tester

Hand: Right

PAP (Positive Axis Point): 5” over by 1/2” up

Rev Rate: 310 r.p.m.

Ball Speed at Release: 18 m.p.h.

Axis Rotation: 45 degrees

Axis Tilt: 15 degrees

Maximum Flare Potential: Medium/Large

While producing about 5” of total track flare, it was the ratio of flare in the oil (2”) compared to the backend (3”), that when combined with MoRich’s all new **RAY** (Rotational Angular Velocity) reactive resin coverstock, results in a ball that gets through the heads with ease.

Mass Bias: Strong Asymmetrical

Mass Bias Differential: .018

DeTerminator Spin Time: 6.5 seconds

Hook

Surface Preparation: Wet Sanded with 600 grit paper

Pattern #1- Started the ball on board 25, crossed the arrows at 13, going out to about 5 at the breakpoint. The Midlane was extremely controllable (for a reactive resin ball) and the breakpoint was well defined and quite angular (because of the spin time of 6.5 seconds), with plenty of POP at the pins.

Pattern #2- Started the ball on board 30, crossed the arrows at 16, going out to about 9 at the breakpoint. Again, the motion was surprisingly controllable through the oil; especially on this “more difficult” pattern. The Move on the backend was quite impressive.

Length

Surface Preparation: Factory (polished)

With the factory polished surface, Ravage gained considerable length and really emphasized the incredible strength of its mass bias when Ravage just vaulted off the dry. Pin carry was never an issue with either surface, as tripped 4’s and tomahawked 10’s were abundant.

Overall

With most full season leagues winding down and final position rounds fast approaching, this is the perfect time for bowlers everywhere to make a stand and Ravage the competition!