



NITRO/R

New Product Evaluation

PRODUCT	NITRO REACTIVE RESIN™
PROJECT	EBO-REACT III
START DATE	May 1993
COMPLETION DATE	August 1993
OBJECTIVE	Using the Nitro Core and the Turbo X Reactive Resin™ shell create a ball to have a heavy roll on oil and hook in the dry part of the lane with a controllable back end reaction.
CORE	NITRO Core
VENEER	(1) 11 pounds of reactive resin in the finished 14, 15, 16 pound balls (2) Ebonite proprietary Reactive Resin™ formula with the RRT31 additive enhances the polymer morphology to allow the urethane to grip the lane better and create a higher coefficient of friction.
PERFORMANCE CHARACTERISTICS	Ball must roll evenly through heads and hook at back end on light oil carry down. The Nitro core keeps pins very low and creates superior carrying power and controllable back end reaction.
TEST RESULTS	Three major ball tests were conducted with PBA Players, LPBT Players, and amateur bowlers. In virtually all tests, the Nitro/R formula was the choice of the player.
QUALITY ASSURANCE DEPARTMENT EVALUATION	Based on the test results referenced above as well as in-house testing and production, this product is ready for introduction. Authorization is hereby granted for unlimited production.

General Specifications

HARDNESS	76-78 Shore D
TARGET WEIGHT	12, 14, 15, 16 pound -1.0 oz., +4.0 oz.
TOP WEIGHT	1.5 to 4.5 ozs. AVERAGE 2.75 ozs.
APPEARANCE	400 Sanded Lime Green Reactive Resin™
BALL ROUNDNESS	+ or - .002" nominal
CORE ROUNDNESS	Dynamically balanced to + or - .005"
DIAMETER	8.595" AVERAGE 8.585"
DRILLING	Nitro/R may be drilled in the same manner as you would drill the Blue or Purple Haze Nitro.