BRE 320AX

boytek®

TECHNICAL DATA SHEET

Resin Characteristics
Orthophthalic, preaccelerated unsaturated polyester resin
Low reactivity – Medium viscosity
Pre-accelerated

Versions
N/A

Molding Technique
Clear casting

End Products
Clear castings, figurines, embedded objects

Remarks
Very good color
Optimal curing characteristics
Contains a special accelerator which gives low color

Liquid Properties

Viscosity[1]	800-1000	cp
Solid Content	62-68	%
Acid Value	max. 30	mgKOH/g
Gel Time[2]	40-50	minutes

[1] 20ºC, sp4 50rpm
[2] 20ºC, 2ml Butanox M60 per 100g resin

Mechanical Properties of Non Reinforced Clear Casting[3]

Tensile Strength	55	Mpa	ISO 527
Elongation at Break	6.5	%	ISO 527
Tensile Modulus	2800	Mpa	ISO 527
Flexural Strength	110	Mpa	ISO 178
Flexural Modulus	3100	Mpa	ISO 178
HDT	50	ºC	ISO 75A
Hardness	30	Barcol 934-1	

[3] Samples post cured 3 hours at 80ºC and 1 hour at 100ºC.

Stability
The resin is stable for at least 4 months if stored in original packaging in a dry, well ventilated area away from direct sunlight. The storage temperature must not exceed 25ºC.

Packaging
Available in
Bulk
1000kg IBC
230kg Drums
18kg Cans