



## Technical Comparison of Natural Opal and Chatham Created Opal



- Color
- Luster
- Transparency
- Crystal System
- Cleavage
- Fracture
- Hardness
- Specific Gravity
- Fluorescence
- Composition
- Guarantee

### Natural Opal

Any  
 Vitreous to Pearly  
 Transparent to Opaque  
 Amorphous  
 None  
 Conchoidal  
 5.5 to 6 on Mohs Scale  
 2.0 to 2.5  
 Variable  
 Silicon Dioxide + Water  
 None

### Chatham Created Opal

Any  
 Vitreous to Pearly  
 Transparent to Opaque  
 Amorphous  
 None  
 Conchoidal  
 5.5 to 6 on Mohs Scale  
 2.0 to 2.5  
 Variable  
 Silicon Dioxide  
 Chatham Lifetime Guarantee

## Available Shapes, Sizes And Prices



Shape	Size	Average Carat Weight	Price Per Carat
Pear	6x4	0.30	\$150.00
Pear	7x5	0.45	\$150.00
Pear	8x5	0.60	\$150.00
Pear	9x6	0.85	\$150.00
Pear	10x7	1.40	\$150.00
Pear	12x8	2.00	\$150.00
Pear	15x10	4.55	\$150.00
Oval	6x4	0.35	\$150.00
Oval	7x5	0.55	\$150.00
Oval	8x6	0.80	\$150.00
Oval	9x7	1.20	\$150.00
Oval	10x8	1.80	\$150.00
Oval	11x9	2.40	\$150.00
Oval	12x10	3.00	\$150.00
Oval	13x11	4.00	\$150.00
Oval	14x12	5.00	\$150.00

Suggested Retail prices

Shape	Size	Average Carat Weight	Price Per Carat
Round	4.0	0.16	\$150.00
Round	5.0	0.35	\$150.00
Round	6.0	0.60	\$150.00
Round	7.0	1.00	\$150.00
Round	8.0	1.60	\$150.00
Square	6.0	0.80	\$150.00
Square	7.0	1.20	\$150.00
Square	8.0	1.80	\$150.00
Antique Cushion	5.0 Faceted	0.50	\$150.00
Antique Cushion	6.0 Faceted	0.70	\$150.00
Antique Cushion	7.0 Faceted	1.20	\$150.00
Antique Cushion	8x6 Faceted	1.05	\$150.00
Antique Cushion	9x7 Faceted	1.60	\$150.00
Antique Cushion	10x8 Faceted	2.25	\$150.00



**Chatham**  
 CREATED GEMS & DIAMONDS