

# BARTON HPA

Technical data



## Description :

**BARTON HPA** combines excellent cutting performance with outstanding economy. Ideal for a host of applications that do not require the extra high-performance provided by the BARTON HPX crystalline garnet abrasives. Like all waterjet BARTON abrasives, the HPA is manufactured under tight QC/QA controls and are guaranteed to meet our high standards.

## Technical and Physical Characteristics

### - Mineral composition

Garnet Almandine..... 97-98 %  
Other Minerals

### - Chemical Composition

Major Constituents  
Almandine.....  $(Fe_2O_3 Al_2(SiO_4)_3)$   
Pyrope.....  $mG_3Al_2(SiO_4)_3$

### - Physical Characteristics

Specific Gravity..... 3.9-4.1  
Hardness (Mohs)..... 7.5-8.0

### - Other Characteristics

Conductivity..... 10-15 ms/s (max 25 ms/m)  
Radioactivity..... not detectable above background  
Moisture Absorption... non-hygroscopic  
Chlorides..... < 25 ppm  
Free Silica..... < 1%

## The three most popular grades are listed below:

### 60 HPA

Our most aggressive HPA product ; used when cutting speed is of primary importance.

### 80 HPA

A general purpose abrasive that provides good edge quality and solid cutting performance. May be used in virtually any precision waterjet operation.

### 100 HPA

A finely graded product offering high precision and a narrow kerf. Used for thin-stock applications.

## Packaging

25 Kg paper bag  
1 or 2 tons big bag