



**PAN MARINE BLASTING ABRASIVES PTE LTD**

Co Reg No 198102190D

32, Tuas Crescent, Singapore 638721 | Tel (65) 6862 4884 | Fax (65) 6861 1368 | Email [contactus@pmba.com.sg](mailto:contactus@pmba.com.sg) | [www.pmba.com.sg](http://www.pmba.com.sg)

**PRODUCT DATA SHEET – GRADED GLASS**

Graded glass abrasive is created by crushing, cleaning and grading recycled glass bottles to produce high quality abrasive media. It can be used as a wet or dry blast abrasive to prepare or clean a surface prior to coating. Being processed from 100% recycled bottles, plates and glass, graded glass is a non-toxic material, containing no free silica or heavy metals. As a result, its disposal cost are usually lower because spent or used glass is not automatically by itself considered to be a 'special waste'.



It is particularly favoured for use in environmentally sensitive locations. The glass manufacturing process fixes the free crystalline silica responsible for silicosis. As a result, any dust generated when using graded glass abrasive is virtually free of crystalline silica and is classified merely as a 'nuisance dust'.

|                            |   |  |
|----------------------------|---|--|
| <b>APPEARANCE</b>          | : | Crushed glass – colourless, blue, mixed amber, mixed green.<br>Inorganic solid, ground and graded glass. |
| <b>FLASH POINT</b>         | : | Non-flammable  |
| <b>SPECIFIC GRAVITY</b>    | : | Approx. 2.5 g/cm <sup>3</sup>  |
| <b>SOLUBILITY IN WATER</b> | : | Insoluble  |
| <b>BULK DENSITY</b>        | : | Approx. 1.3 tonnes/m <sup>3</sup> (un-compacted)   |
| <b>HARDNESS (Mohs)</b>     | : | 6  |
| <b>MELTING POINT</b>       | : | >800 C   |

**CHEMICAL COMPOSITION**

|  |   |          |
|--|---|----------|
| Na <sup>2</sup> O + K <sup>2</sup> O + Li <sup>2</sup> O | : | 12 – 15% |
| CaO + MgO  | : | 10 – 13% |
| Al <sup>2</sup> O <sup>3</sup>                           | : | 1 – 2%   |
| Other Oxides (except SiO <sub>2</sub> )                  | : | 0 – 1%   |
| SiO <sup>2</sup> (bound)                                 | : | Balance  |

*Note: The above Chemical Composition readings serve as a guideline only.*

**STANDARD SIZES AVAILABLE:**

| Grade Size | Nominal Size          |
|------------|-----------------------|
| GG1575     | 0.75 – 1.50 MM, +/-8% |
| GG830      | 0.80 – 3.00 MM, +/-8% |

**About us**

Pan Marine Blasting Abrasives Pte Ltd has been a leading provider of abrasive grits in the surface preparation industry since its establishment in 1968. As a pioneer and leader in the industry, we offer a diverse range of abrasive grits to suit the needs of every customer. The team at Pan Marine has acquired a reputation for being the most dependable and trustworthy in the business, and continue to be fully committed in bringing the best to you.