

PETg

Flat Sheet

The current REACH legislation (both UK and EU variants) describes the products manufactured by Brett Martin as “articles”. As such they do not require a formal Safety Data Sheet. The information contained in this document is issued to support our products and our customers in their particular markets.

All materials used in products produced by Brett Martin are compliant with both EU and UK REACH legislations in their current forms, and with the latest RoHS directive. This is reviewed on an ongoing basis.

| Section 1 - Product Identification and Emergency Contact   |  |
|--|--|
| Product Description  | Extruded PETg<br>Flat Sheet  |
| Supplier/Manufacturer  | Brett Martin Limited<br>24 Roughfort Road<br>Mallusk<br>Co. Antrim<br>Northern Ireland<br>BT36 4RB |
| Emergency Contact  | Telephone: +44(0) 28 9084999   |
| Section 2 - Hazard Identification  |  |
| No particular hazards currently known according to current EU or UK criteria.  |  |
| Dust can be created when these products are being cut, drilled or trimmed. This can cause irritation.<br>The use of appropriate PPE, good ventilation and good industrial practice<br>will minimise hazards and problems associated with dust. |  |
| No detrimental effects on the environment currently known.   |  |
| Section 3 - Composition  |  |
| Main Component   | PETg resin 95% by weight (product dependant).  |
| Other Component  | Pigments, UV Inhibitors (product dependant).   |

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Section 4 - First Aid Measures

These products are not considered to be dangerous, good industrial practice should minimise any mechanical damage or handling incidents.

|                    |  |
|--------------------|--|
| After Inhalation   | If exposed to excessive dust, fumes or smoke move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.  |
| After Ingestion    | Seek medical advice.   |
| After Skin Contact | Wash with soap and water. Get medical attention if symptoms occur. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. Get medical attention.                   |
| After Eye Contact  | Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist. If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately. |
| Medical Note       | No specific recommendations, treat symptomatically.  |

Section 5 - Fire Fighting Measures

|                              |   |
|------------------------------|---|
| Suitable Extinguishing Media | Water spray, Foam, Dry chemical, Carbon Dioxide.                                  |
| Special Exposure Hazards     | Material will emit irritating and/or noxious fumes when burning.                  |
| Special Protective Equipment | Wear respiratory protective equipment, safety eyewear, and heat resistant gloves. |

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### Section 6 - Accidental Release (Leaks/Spillages) Measures

|                           |  |
|---------------------------|--|
| Personal Precautions      | Wear protective gloves when handling sheet.  |
| Environmental Precautions | Do not dispose of waste material by burning.   |
| Clean-up Method           | No special methods necessary, dispose of waste material according to local guidelines. |
| Other Hazards             | None.  |

### Section 7 - Handling and Storage

|          |   |
|----------|---|
| Handling | Wear protective gloves. Use caution with large sheets in windy conditions.                        |
| Storage  | Store flat on an even, level surface, supported at all points, in ambient conditions under cover. |

### Section 8 - Exposure Controls/ Personal Protection

|                           |   |
|---------------------------|---|
| Engineering Measures      | Good general ventilation (typically 10 air changes per hour) should be used where the product is being processed in any way that releases dust or fumes. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| Respiratory Protection    | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Dust masks should be worn when sawing, drilling or trimming material.   |
| Hand Protection           | It is good industrial hygiene practice to minimize skin contact. Gloves should be worn when handling material to protect from sharp edges.  |
| Eye Protection            | Eye protection should be worn when sawing, drilling or trimming material.   |
| Skin Protection           | It is good practice to minimize skin contact.   |
| Specific Hygiene Measures | As with any foreign body continued intimate contact with particles can cause irritation. It is good practice to ensure there is no build-up of dust and particles inside gloves, overalls etc.  |

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### Section 9 - Physical and Chemical Properties

|                           |  |
|---------------------------|--|
| Appearance                | Flat rigid plastic sheet.<br>Products available in a variety of colours (range dependant). |
| Odour                     | Odourless  |
| Softening Point           | Circa 68°C   |
| Boiling Point             | N/A  |
| Flash Point               | N/A  |
| Ignition Temperature      | >390°C   |
| Density (20°C)            | Rigid PETg 1.27g/cm <sup>3</sup>   |
| Solubility [water] (20°C) | Insoluble  |

### Section 10 - Stability and Reactivity

|                                   |  |
|-----------------------------------|--|
| Stability                         | Stable under normal ambient conditions.  |
| Conditions to Avoid               | Excessive heat. Open flames.   |
| Hazardous Decomposition Products: | Thermal decomposition will lead to the production of a cocktail of gases including:<br>Carbon monoxide – highly toxic,<br>Carbon dioxide – asphyxiates in high concentrations. |
| Materials to Avoid                | Care must be taken with strong acids, strong alkalis, and hydrocarbons especially halogenated solvents, aldehydes, ketones and aromatic solvents.                              |

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Section 11 - Toxicological Information

|  |  |
|--|--|
| No known toxicological effects under normal conditions |  |
| Acute Effects  | None   |
| Primary Irritation                                     | Intimate contact with dust particles can cause irritation. |
| Sensitisation  | None   |

Section 12 - Ecological Information

|  |
|--|
| Considered ecologically benign.                          |
| Not readily decomposed by weathering or micro-organisms. |
| Water in-soluble.  |

Section 13 - Waste Disposal

|  |
|--|
| This product should be recycled where possible.                        |
| Disposal should be carried out in compliance with local/national laws. |

Section 14 - Transport

|                     |                             |
|---------------------|-----------------------------|
| ICAO (Air)          | Not classified as Dangerous |
| IMDG (Sea)          | Not classified as Dangerous |
| ADR/RID (Road/Rail) | Not classified as Dangerous |

|   |
|---|
| These products do not require any particular labelling, marking or special precautions under current regulations. |
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**Section 15 - Regulations**

This product range is exempt from EU and UK REACH.

The raw materials used in the manufacture of these products are fully EU and UK REACH compliant.

This product range is compliant with RoHS in its current form.

This situation is routinely checked, with appropriate material changes being made as these legislations and directives develop.

**Section 16 - Additional Information**

The details listed in this document are confidential. They are based on our present state of knowledge and are relevant to the product with regard to any likely safety requirements. They do not give any warranty or assurance. Users should consider this data only as a supplement to other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.

**If you have any further queries please do not hesitate to contact us.**

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